

Converting Colors

XYZ(34.9327, 49.9810, 67.1170)

Have a look what the booklet for
XYZ(34.9327, 49.9810, 67.1170)
contains.

XYZ(34.7942, 49.7590, 66.8021)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.7942, 49.7590,
66.8021)**

Conversions

Conversions Part 1

Format	Color
Hex	30CFCF
RGB	48, 207, 207
RGB Percent	19%, 81%, 81%
CMY	0.8117, 0.1882, 0.1882
CMYK	0.77, 0.00, 0.00, 0.19
HSL	180°, 62%, 50%
HSV	180°, 77%, 81%
XYZ	34.7942, 49.7590, 66.8021
YIQ	159.4590, -94.7640, -33.7080

Conversions

Conversions Part 2

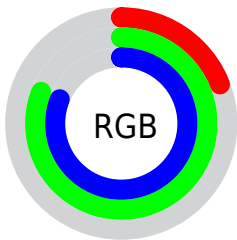
Format	Color
RYB	48, 128, 207
Decimal	3198927
CIELab	75.92, -38.53, -11.46
CIELCh	76, 40.201, 196.562
Yxy	49.7590, 0.2299, 0.3288
Android (android.graphics.Color)	4281389007 (0xFF30CFCF)
YUV	159.4590, 23.4377, -97.7495
Hunter-Lab	70.5401, -35.3992, -6.7701

Details

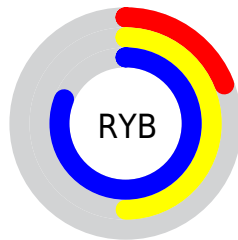
The XYZ color **34.7942, 49.7590, 66.8021** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **27.3242, 15.5942, 4.3676**, and the grayscale version is **33.0940, 34.8175, 37.9163**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **16.9780, 24.7564, 34.0206** is the 20% darker color. If you saturate the color by 10%, you get **34.0365, 49.3695, 66.7676**, and if you desaturate by 10%, it is **36.0101, 50.3869, 66.8603**.

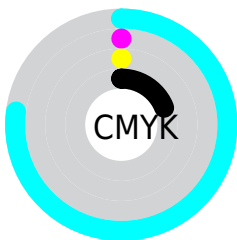
Distribution



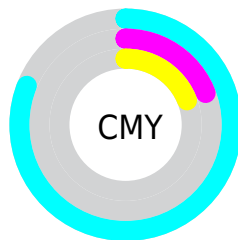
- Red (19%)
- Green (81%)
- Blue (81%)



- Red (19%)
- Yellow (50%)
- Blue (81%)



- Cyan (77%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)



- Cyan (81%)
- Magenta (19%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7942, 49.7590, 66.8021 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 34.7942, 49.7590, 66.8021 by changing the saturation by 10% instead.

34.7942, 49.7590,
66.8021

34.7942, 49.7590,
66.8021

315.1830,
385.7227, 467.7223

23.6702, 35.2219,
48.4632

66.5030, 89.8177,
116.2747

15.2125, 23.8339,
33.8313

87.8184, 116.1081,
148.2456

9.0560, 15.2104,
22.4877

113.2616,
147.0851, 185.5975

4.8351, 8.9672,
14.0140

143.1981,
183.1331, 228.7491

2.1846, 4.7198,
7.9915

177.9931,
224.6365, 278.1188

0.7346, 2.0838,
4.0018

218.0120,

0.0000, 0.6555,

271.9796, 334.1252

1.6263

263.6202,
325.5469, 397.1869

■ 0.0000, 0.0000,
0.3095

■ 0.0000, 0.0000,
0.0000

■ 34.7942, 49.7590,
66.8021

■ 34.7942, 49.7590,
66.8021

■ 34.0365, 49.3695,
66.7676

■ 36.0101, 50.3869,
66.8603

■ 33.6589, 49.1748,
66.7498

■ 37.7358, 51.2765,
66.9412

■ 33.5762, 49.1322,
66.7459

■ 40.0207, 52.4545,
67.0482

■ 42.9075, 53.9426,
67.1835

■ 46.4343, 55.7608,
67.3486

■ 50.6366, 57.9271,
67.5454

■ 55.5468, 60.4584,
67.7754

■ 61.1955, 63.3704,
68.0399

■ 67.6115, 66.6780,
68.3403

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.6289, 49.7590, 45.1517



34.7942, 49.7590, 66.8021



38.0707, 49.7590, 89.9691

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.7942, 49.7590, 66.8021



58.5368, 49.7590, 87.7582



50.7194, 49.7590, 23.1585

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



34.7942, 49.7590, 66.8021



27.3242, 15.5942, 4.3676

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



57.8992, 49.7590, 29.4173



34.7942, 49.7590, 66.8021



62.7236, 49.7590, 64.3361

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



34.7942, 49.7590, 66.8021



51.5180, 49.7590, 104.0846



62.4786, 49.7590, 43.2557



43.3083, 49.7590, 23.4902

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.7942, 49.7590, 66.8021



41.7964, 49.7590, 101.4931



62.4786, 49.7590, 43.2557



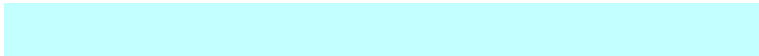
53.2546, 49.7590, 24.4723

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



34.7957, 49.7609, 66.8033



76.6660, 90.5227, 108.0391



24.1956, 45.5357, 10.3116



15.9112, 19.1186, 23.1015



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.7957, 49.7609, 66.8033



54.1063, 78.8928, 106.9819



20.4859, 21.1409, 62.0343



12.1584, 13.4071, 15.1906



21.1538, 30.9545, 42.0515



1.1828, 1.7308, 2.3513

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.3242, 15.5942, 4.3676



41.6272, 21.8265, 2.6997



33.5823, 28.1105, 6.4535



11.8088, 11.8083, 12.2689



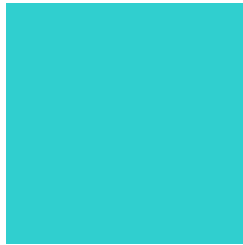
16.2124, 8.3578, 0.7588



0.9065, 0.4673, 0.0424

Previews

White Background



This preview shows how the XYZ color 34.7942, 49.7590, 66.8021 looks on a white background.

Color Contrast Check

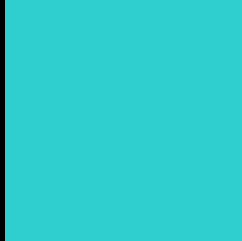
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 34.7942, 49.7590, 66.8021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

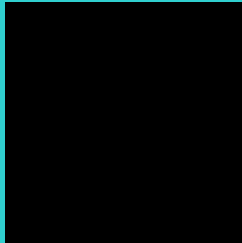
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

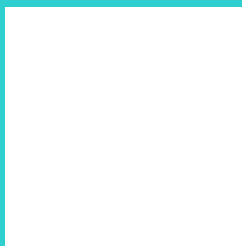
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7942, 49.7590, 66.8021

Background



This preview shows how black text looks on a background with the XYZ color 34.7942, 49.7590, 66.8021.

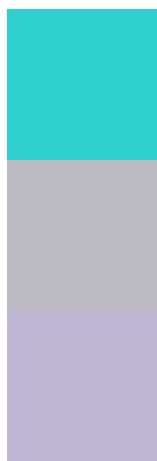


This preview shows how white text looks on a background with the XYZ color 34.7942, 49.7590,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

34.7942, 49.7590, 66.8021

Protanopia

47.4681, 49.1130, 57.4300

Deuteranopia

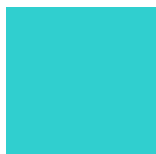
50.0200, 48.9282, 69.7585



Tritanopia

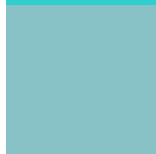
36.6861, 49.8129, 76.0879

Trichromacy



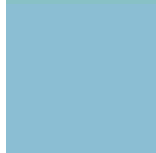
Original Color

34.7942, 49.7590, 66.8021



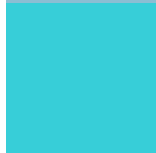
Protanomaly

39.4163, 47.4514, 60.5077



Deuteranomaly

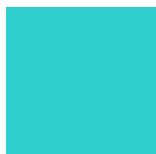
40.8188, 47.0190, 68.5522



Tritanomaly

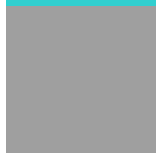
36.0415, 49.9127, 72.7003

Monochromacy



Original Color

34.7942, 49.7590, 66.8021



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.9696, 38.1072, 46.7975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7942, 49.7590, 66.8021 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(48, 207, 207)` looks like.

```
.text, #text, p{  
    color:rgb(48, 207, 207)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(48, 207, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 207, 207) }
```

Border

The CSS property to change the border of an element to XYZ 34.7942, 49.7590, 66.8021 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(48, 207, 207) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(48, 207, 207) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(48, 207, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 207, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 207, 207);  
box-shadow:4px 4px 4px 4px rgb(48, 207,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7942, 49.7590, 66.8021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 207, 207) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(48, 207,  
207) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor