

Converting Colors

XYZ(34.1156, 48.9202, 66.3888)

Have a look what the booklet for
XYZ(34.1156, 48.9202, 66.3888)
contains.

XYZ(34.2482, 49.1190, 66.7073)	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(34.2482, 49.1190,
66.7073)**

Conversions

Conversions Part 1

Format	Color
Hex	29CECF
RGB	41, 206, 207
RGB Percent	16%, 81%, 81%
CMY	0.8392, 0.1921, 0.1882
CMYK	0.80, 0.00, 0.00, 0.19
HSL	180°, 67%, 49%
HSV	180°, 80%, 81%
XYZ	34.2482, 49.1190, 66.7073
YIQ	156.7790, -98.6610, -34.6690

Conversions

Conversions Part 2

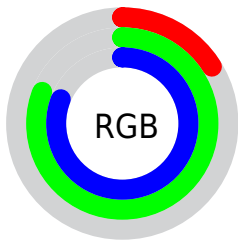
Format	Color
R _Y B	41, 124, 207
Decimal	2739919
CIE Lab	75.53, -38.71, -12.06
CIE LCh	76, 40.544, 197.307
Yxy	49.1190, 0.2282, 0.3273
Android (android.graphics.Color)	4280929999 (0xFF29CECF)
YUV	156.7790, 24.7590, -101.5382
Hunter-Lab	70.0849, -35.4216, -7.3731

Details

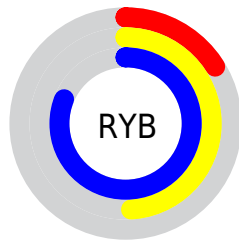
The XYZ color **34.2482, 49.1190, 66.7073** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **26.9614, 15.0826, 3.5893**, and the grayscale version is **31.8750, 33.5350, 36.5196**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **16.8164, 24.4331, 33.9667** is the 20% darker color. If you saturate the color by 10%, you get **33.5996, 48.7412, 66.6695**, and if you desaturate by 10%, it is **35.3334, 49.7240, 66.7678**.

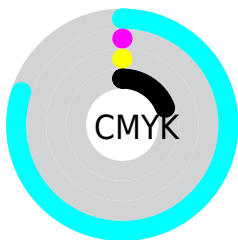
Distribution



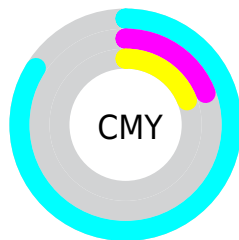
- Red (16%)
- Green (81%)
- Blue (81%)



- Red (16%)
- Yellow (49%)
- Blue (81%)



- Cyan (80%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)



- Cyan (84%)
- Magenta (19%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2482, 49.1190, 66.7073 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 34.2482, 49.1190, 66.7073 by changing the saturation by 10% instead.

34.2482, 49.1190,
66.7073

34.2482, 49.1190,
66.7073

312.8038,
383.2106, 467.3753

23.2481, 34.7139,
48.3867

65.6612, 88.8682,
116.1376

14.8985, 23.4426,
33.7711

86.8048, 114.9810,
148.0843

8.8341, 14.9206,
22.4418

112.0603,
145.7652, 185.4102

4.6893, 8.7637,
13.9805

141.7931,
181.6052, 228.5337

2.0990, 4.5874,
7.9685

176.3685,
222.8853, 277.8734

0.6887, 2.0073,
3.9873

216.1518,

0.0000, 0.6117,

269.9900, 333.8479

1.6184

261.5085,
323.3036, 396.8757

■ 0.0000, 0.0000,
0.3039

■ 0.0000, 0.0000,
0.0000

■ 34.2482, 49.1190,
66.7073

■ 34.2482, 49.1190,
66.7073

■ 33.5996, 48.7412,
66.6695

■ 35.3334, 49.7240,
66.7678

■ 33.2753, 48.5304,
66.6459

■ 36.9105, 50.5816,
66.8502

■ 39.0314, 51.7195,
66.9581

■ 41.7402, 53.1606,
67.0934

■ 45.0765, 54.9252,
67.2582

■ 49.0767, 57.0321,
67.4540

■ 53.7741, 59.4984,
67.6825

■ 59.1999, 62.3402,
67.9451

■ 65.3835, 65.5728,
68.2431

Harmonies

Analogous

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



34.0048, 49.1190, 44.9264



34.2482, 49.1190, 66.7073



37.5905, 49.1190, 89.8632

Triad

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



34.2482, 49.1190, 66.7073



58.0850, 49.1190, 86.5865



49.9207, 49.1190, 22.5044

Complementary

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



34.2482, 49.1190, 66.7073



26.9614, 15.0826, 3.5893

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.



57.1421, 49.1190, 28.5448



34.2482, 49.1190, 66.7073



62.1832, 49.1190, 63.0607

Square

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



34.2482, 49.1190, 66.7073



51.1006, 49.1190, 103.2821



61.8208, 49.1190, 42.1320



42.5336, 49.1190, 22.9902

Rectangle

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



34.2482, 49.1190, 66.7073



41.3504, 49.1190, 101.2414



61.8208, 49.1190, 42.1320



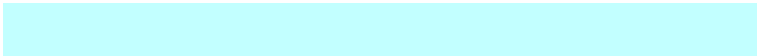
52.4622, 49.1190, 23.7530

Sweetspot

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



34.2497, 49.1208, 66.7085



75.8895, 89.9483, 107.9697



23.6286, 45.2582, 9.5894



15.7564, 18.9960, 23.0861



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.



34.2497, 49.1208, 66.7085



53.4698, 77.8700, 106.8200



19.3863, 19.3940, 61.7540



12.1521, 13.3944, 15.1885



20.9674, 30.5813, 41.9902



1.1744, 1.7139, 2.3485

Inverse Universe

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



37.6669, 19.3088, 60.1362



59.1645, 28.6070, 95.7732



33.3416, 27.8430, 5.7160



12.3076, 12.0078, 14.8959



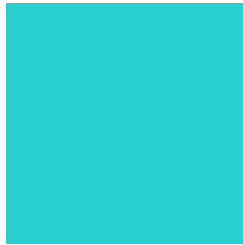
23.2141, 11.1585, 37.6291



1.2990, 0.6243, 2.1093

Previews

White Background



This preview shows how the XYZ color 34.2482, 49.1190, 66.7073 looks on a white background.

Color Contrast Check

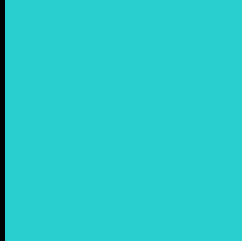
Large Text (above 18pt) WCAG AA × Fail

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 34.2482, 49.1190, 66.7073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

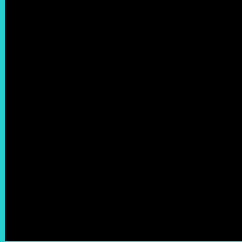
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

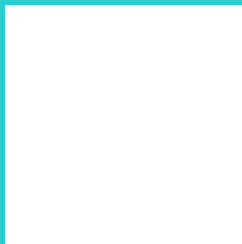
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2482, 49.1190, 66.7073

Background



This preview shows how black text looks on a background with the XYZ color 34.2482, 49.1190, 66.7073.

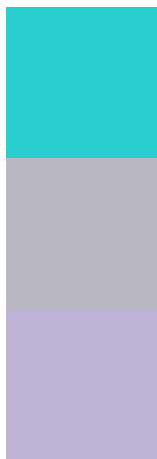


This preview shows how white text looks on a background with the XYZ color 34.2482, 49.1190,

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

34.2482, 49.1190, 66.7073

Protanopia

46.5667, 48.0315, 57.2688

Deuteranopia

49.3178, 48.2654, 69.6676



Tritanopia

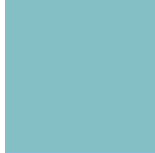
35.9793, 49.1099, 75.2930

Trichromacy



Original Color

34.2482, 49.1190, 66.7073



Protanomaly

38.4967, 46.3254, 60.3388



Deuteranomaly

39.9471, 46.2492, 68.4496



Tritanomaly

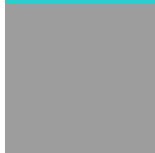
35.3637, 49.2219, 71.9269

Monochromacy



Original Color

34.2482, 49.1190, 66.7073



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

30.1381, 37.3999, 46.1879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2482, 49.1190, 66.7073 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(41, 206, 207)` looks like.

```
.text, #text, p{  
    color:rgb(41, 206, 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(41, 206, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 206, 207) }
```

Border

The CSS property to change the border of an element to XYZ 34.2482, 49.1190, 66.7073 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(41, 206, 207) }
```


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

```
.border{ border-color:rgb(41, 206, 207) }
```

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

Here you see how a box with a 4 pixel rgb(41, 206, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 206, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 206, 207);  
box-shadow:4px 4px 4px 4px rgb(41, 206,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2482, 49.1190, 66.7073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 206, 207) }
```

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

```
.background{ background-color: rgb(41, 206,  
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](#).

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