

Converting Colors

XYZ(34.1793, 49.4698, 63.6712)

Have a look what the booklet for
XYZ(34.1793, 49.4698, 63.6712)
contains.

XYZ(34.1924, 49.5183, 63.6330)	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(34.1924, 49.5183,
63.6330)**

Conversions

Conversions Part 1

Format	Color
Hex	30CFCA
RGB	48, 207, 202
RGB Percent	19%, 81%, 79%
CMY	0.8117, 0.1882, 0.2078
CMYK	0.77, 0.00, 0.02, 0.19
HSL	178°, 62%, 50%
HSV	178°, 77%, 81%
XYZ	34.1924, 49.5183, 63.6330
YIQ	158.8890, -93.1590, -35.2630

Conversions

Conversions Part 2

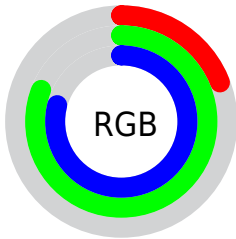
Format	Color
RYB	48, 129, 207
Decimal	3198922
CIELab	75.77, -39.97, -8.98
CIELCh	76, 40.965, 192.669
Yxy	49.5183, 0.2321, 0.3361
Android (android.graphics.Color)	4281389002 (0xFF30CFCA)
YUV	158.8890, 21.2537, -97.2497
Hunter-Lab	70.3692, -36.4131, -4.3559

Details

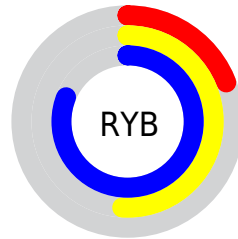
The XYZ color **34.1924, 49.5183, 63.6330** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **27.4333, 15.6378, 4.9422**, and the grayscale version is **32.8425, 34.5529, 37.6281**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **16.5735, 24.5946, 31.8907** is the 20% darker color. If you saturate the color by 10%, you get **33.3577, 49.0980, 63.1934**, and if you desaturate by 10%, it is **35.4855, 50.1771, 64.0980**.

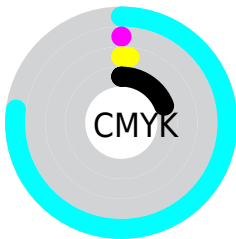
Distribution



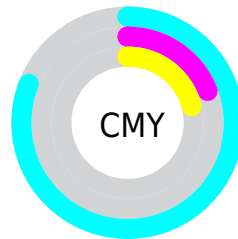
- Red (19%)
- Green (81%)
- Blue (79%)



- Red (19%)
- Yellow (51%)
- Blue (81%)



- Cyan (77%)
- Magenta (0%)
- Yellow (2%)
- Black (19%)





- Cyan (81%)
- Magenta (19%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1924, 49.5183, 63.6330 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 34.1924, 49.5183, 63.6330 by changing the saturation by 10% instead.


 34.1924, 49.5183,
63.6330


 34.1924, 49.5183,
63.6330


312.5599,
384.7792, 456.0342


 23.2050, 35.0308,
45.9092


 65.5751, 89.4608,
111.6766


 14.8665, 23.6866,
31.8260


 86.7011, 115.6845,
142.8335


 8.8115, 15.1013,
20.9649


 111.9373,
146.5891, 179.3052

 4.6745, 8.8905,
12.9074

 141.6492,
182.5590, 221.5102

 2.0904, 4.6698,
7.2348

 176.2020,
223.9786, 269.8670

 0.6840, 2.0549,
3.5287

215.9612,

 0.0000, 0.6391,

271.2322, 324.7943

1.3705

261.2921,
324.7043, 386.7105

■ 0.0000, 0.0000,
0.1186

■ 0.0000, 0.0000,
0.0000

■ 34.1924, 49.5183,
63.6330

■ 34.1924, 49.5183,
63.6330

■ 33.3577, 49.0980,
63.1934

■ 35.4855, 50.1771,
64.0980


■ 32.9036, 48.8727,
62.7721


■ 37.2888, 51.0978,
64.5875


■ 32.7964, 48.8203,
62.6397


■ 39.6516, 52.3068,
65.1049


■ 42.6166, 53.8263,
65.6521

 46.2220, 55.6759,
66.2311

 50.5031, 57.8737,
66.8433

 55.4925, 60.4367,
67.4905

 61.2208, 63.3806,
68.1739

 67.7167, 66.7201,
68.8949

Harmonies

Analogous

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



34.4417, 49.5183, 42.3799



34.1924, 49.5183, 63.6330



37.1122, 49.5183, 87.5713

Triad

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



34.1924, 49.5183, 63.6330



57.6879, 49.5183, 90.9413



51.5571, 49.5183, 23.0072

Complementary

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



34.1924, 49.5183, 63.6330



27.4333, 15.6378, 4.9422

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.



58.6564, 49.5183, 30.2234



34.1924, 49.5183, 63.6330



62.4493, 49.5183, 67.3782

Square

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



34.1924, 49.5183, 63.6330



50.3460, 49.5183, 105.9632



62.8217, 49.5183, 45.2441



43.9310, 49.5183, 22.5112

Rectangle

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



34.1924, 49.5183, 63.6330



40.6664, 49.5183, 100.3314



62.8217, 49.5183, 45.2441



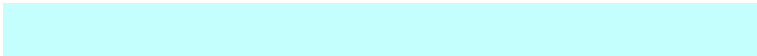
54.1033, 49.5183, 24.6153

Sweetspot

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



34.1939, 49.5202, 63.6342



76.3704, 90.4045, 106.4826



24.3319, 45.6060, 10.3179



15.8381, 19.0894, 22.7163



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.



34.1939, 49.5202, 63.6342



52.9410, 78.4267, 100.8456



20.8434, 21.8560, 62.1536



12.1416, 13.4004, 15.1023



20.6694, 30.7607, 39.5009



1.1609, 1.7220, 2.2358

Inverse Universe

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



27.4333, 15.6378, 4.9422



41.7043, 21.8573, 3.1057



33.2518, 27.4494, 6.3432



11.8236, 11.8142, 12.3469



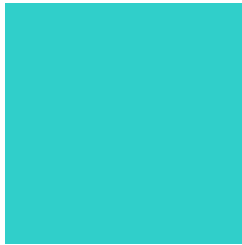
16.2414, 8.3694, 0.9115



0.9135, 0.4701, 0.0795

Previews

White Background



This preview shows how the XYZ color 34.1924, 49.5183, 63.6330 looks on a white background.

Color Contrast Check

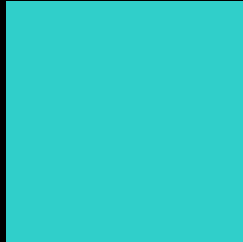
Large Text (above 18pt) WCAG AA × Fail

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 34.1924, 49.5183, 63.6330 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

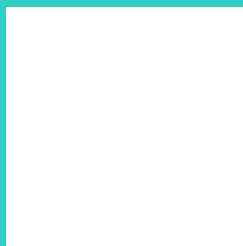
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.1924, 49.5183, 63.6330

Background



This preview shows how black text looks on a background with the XYZ color 34.1924, 49.5183, 63.6330.

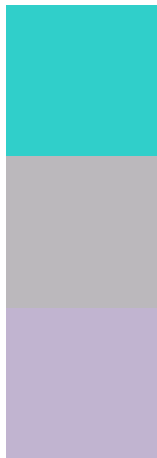


This preview shows how white text looks on a background with the XYZ color 34.1924, 49.5183,

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

34.1924, 49.5183, 63.6330

Protanopia

46.7111, 48.4766, 54.4719

Deuteranopia

49.6987, 48.5340, 66.4231



Tritanopia

36.6306, 49.4303, 76.0170

Trichromacy



Original Color

34.1924, 49.5183, 63.6330



Protanomaly

38.6286, 46.7838, 57.4463



Deuteranomaly

40.3693, 46.8586, 65.3094



Tritanomaly

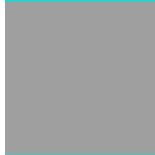
35.6563, 49.3875, 71.2718

Monochromacy



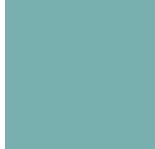
Original Color

34.1924, 49.5183, 63.6330



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.8709, 38.0678, 46.2782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1924, 49.5183, 63.6330 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(48, 207, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 207, 202) }
```

Border

The CSS property to change the border of an element to XYZ 34.1924, 49.5183, 63.6330 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, 202) }
```


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

```
.border{ border-color:rgb(48, 207, 202) }
```

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, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 207, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 207, 202);  
box-shadow:4px 4px 4px 4px rgb(48, 207,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1924, 49.5183, 63.6330 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, 202) }
```

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

```
.background{ background-color: rgb(48, 207,  
202) }
```

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