

Converting Colors

XYZ(33.8412, 48.4540, 65.0827)

Have a look what the booklet for
XYZ(33.8412, 48.4540, 65.0827)
contains.

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Color

**XYZ(33.9775, 48.6513,
65.3574)**

Conversions

Conversions Part 1

Format	Color
Hex	2ECD CD
RGB	46, 205, 205
RGB Percent	18%, 80%, 80%
CMY	0.8196, 0.1961, 0.1961
CMYK	0.78, 0.00, 0.00, 0.20
HSL	180°, 63%, 49%
HSV	180°, 78%, 80%
XYZ	33.9775, 48.6513, 65.3574
YIQ	157.4590, -94.7640, -33.7080

Conversions

Conversions Part 2

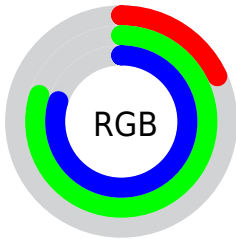
Format	Color
R_{YB}	46, 126, 205
Decimal	3067341
CIE _{Lab}	75.23, -38.39, -11.41
CIE _{LCh}	75, 40.051, 196.553
Yxy	48.6513, 0.2296, 0.3288
Android (android.graphics.Color)	4281257421 (0xFF2ECD CD)
YUV	157.4590, 23.4377, -97.7495
Hunter-Lab	69.7505, -35.1108, -6.7304

Details

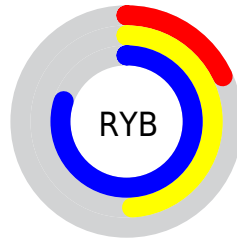
The XYZ color **33.9775, 48.6513, 65.3574** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **26.6486, 15.1320, 4.1025**, and the grayscale version is **32.1851, 33.8613, 36.8749**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **16.4923, 24.0471, 33.0505** is the 20% darker color. If you saturate the color by 10%, you get **33.2653, 48.2852, 65.3250**, and if you desaturate by 10%, it is **35.1332, 49.2481, 65.4127**.

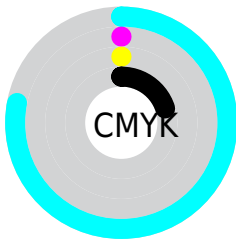
Distribution



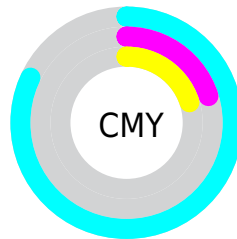
- Red (18%)
- Green (80%)
- Blue (80%)



- Red (18%)
- Yellow (49%)
- Blue (80%)



- Cyan (78%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)




- Cyan (82%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9775, 48.6513, 65.3574 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 33.9775, 48.6513, 65.3574 by changing the saturation by 10% instead.


 33.9775, 48.6513,
65.3574


 33.9775, 48.6513,
65.3574


311.6194,
381.3679, 462.4165


 23.0391, 34.3430,
47.2978


 65.2432, 88.1733,
114.1817

 14.7433, 23.1572,
32.9151


 86.3012, 114.1558,
145.7835


 8.7245, 14.7096,
21.7908


 111.4632,
144.7985, 182.7364

 4.6176, 8.6158,
13.5064

 141.0944,
180.4857, 225.4589

 2.0571, 4.4915,
7.6434

 175.5603,
221.6018, 274.3697

 0.6657, 1.9521,
3.7831

215.2262,

 0.0000, 0.5794,

268.5313, 329.8872

1.5071

260.4575,
321.6586, 392.4299

■ 0.0000, 0.0000,
0.2232

■ 0.0000, 0.0000,
0.0000

■ 33.9775, 48.6513,
65.3574

■ 33.9775, 48.6513,
65.3574

■ 33.2653, 48.2852,
65.3250

■ 35.1332, 49.2481,
65.4127

■ 32.9144, 48.1043,
65.3085

■ 36.7835, 50.0989,
65.4901

■ 32.8516, 48.0720,
65.3055

■ 38.9771, 51.2298,
65.5929

■ 41.7560, 52.6623,
65.7231

■ 45.1578, 54.4160,
65.8825

■ 49.2172, 56.5087,
66.0726

■ 53.9662, 58.9569,
66.2950

■ 59.4346, 61.7760,
66.5510

■ 65.6508, 64.9805,
66.8421

Harmonies

Analogous

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



33.8164, 48.6513, 44.1092



33.9775, 48.6513, 65.3574



37.1900, 48.6513, 88.1150

Triad

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



33.9775, 48.6513, 65.3574



57.2763, 48.6513, 85.9562



49.6057, 48.6513, 22.5598

Complementary

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



33.9775, 48.6513, 65.3574



26.6486, 15.1320, 4.1025

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.



56.6542, 48.6513, 28.6919



33.9775, 48.6513, 65.3574



61.3891, 48.6513, 62.9511

Square

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



33.9775, 48.6513, 65.3574



50.3848, 48.6513, 101.9966



61.1501, 48.6513, 42.2611



42.3320, 48.6513, 22.8825

Rectangle

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



33.9775, 48.6513, 65.3574



40.8444, 48.6513, 99.4423



61.1501, 48.6513, 42.2611



52.0944, 48.6513, 23.8469

Sweetspot

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



33.9790, 48.6531, 65.3586



76.6660, 90.5227, 108.0391



23.5759, 44.5061, 9.9341



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.



33.9790, 48.6531, 65.3586



54.0562, 78.8670, 106.9793



19.8869, 20.4686, 60.6623



11.5433, 12.7271, 14.4185



20.4507, 29.9256, 40.6537



1.0550, 1.5438, 2.0973

Inverse Universe

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



26.6486, 15.1320, 4.1025



41.5619, 21.7310, 2.5699



32.7365, 27.3077, 6.1316



11.2124, 11.2137, 11.6530



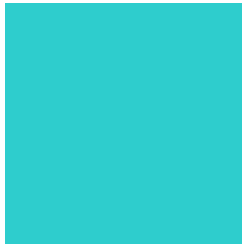
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 33.9775, 48.6513, 65.3574 looks on a white background.

Color Contrast Check

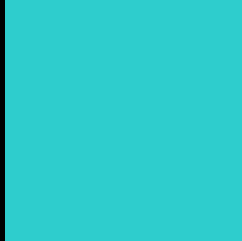
Large Text (above 18pt) WCAG AA × Fail

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 33.9775, 48.6513, 65.3574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

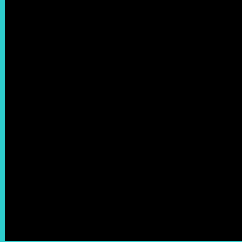
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

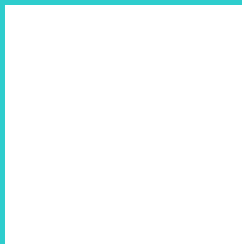
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9775, 48.6513, 65.3574

Background



This preview shows how black text looks on a background with the XYZ color 33.9775, 48.6513, 65.3574.

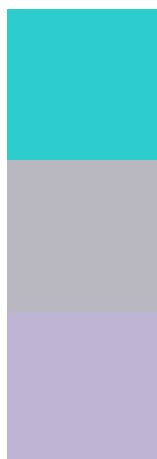


This preview shows how white text looks on a background with the XYZ color 33.9775, 48.6513,

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

33.9775, 48.6513, 65.3574

Protanopia

46.3450, 47.9428, 56.1015

Deuteranopia

48.8642, 47.7622, 68.2716



Tritanopia

35.8295, 48.6962, 74.5287

Trichromacy



Original Color

33.9775, 48.6513, 65.3574



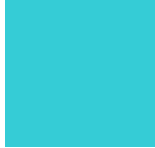
Protanomaly

38.4261, 46.3155, 59.1391



Deuteranomaly

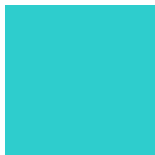
39.8084, 45.8883, 67.0808



Tritanomaly

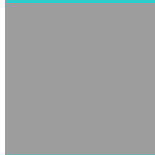
35.1987, 48.7977, 71.1821

Monochromacy



Original Color

33.9775, 48.6513, 65.3574



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

30.1122, 37.1100, 45.6203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9775, 48.6513, 65.3574 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(46, 205, 205)` looks like.

```
.text, #text, p{  
    color:rgb(46, 205, 205)  
}
```

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(46, 205, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 205, 205) }
```

Border

The CSS property to change the border of an element to XYZ 33.9775, 48.6513, 65.3574 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(46, 205, 205) }
```


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

```
.border{ border-color:rgb(46, 205, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 205, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 205, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 205, 205);  
box-shadow:4px 4px 4px 4px rgb(46, 205,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9775, 48.6513, 65.3574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 205, 205) }
```

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

```
.background{ background-color: rgb(46, 205,  
205) }
```

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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