

Converting Colors

XYZ(33.7617, 48.6407, 52.9245)

Have a look what the booklet for
XYZ(33.7617, 48.6407, 52.9245)
contains.

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Color

**XYZ(33.8764, 48.8727,
52.9953)**

Conversions

Conversions Part 1

Format	Color
Hex	51CDB8
RGB	81, 205, 184
RGB Percent	32%, 80%, 72%
CMY	0.6823, 0.1961, 0.2784
CMYK	0.60, 0.00, 0.10, 0.20
HSL	170°, 55%, 56%
HSV	170°, 60%, 80%
XYZ	33.8764, 48.8727, 52.9953
YIQ	165.5300, -67.1630, -32.8190

Conversions

Conversions Part 2

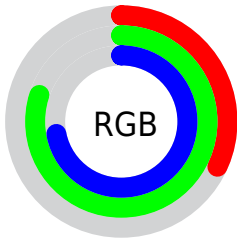
Format	Color
RYB	81, 149, 205
Decimal	5361080
CIELab	75.37, -39.34, 0.22
CIELCh	75, 39.340, 179.685
Yxy	48.8727, 0.2496, 0.3600
Android (android.graphics.Color)	4283551160 (0xFF51CDB8)
YUV	165.5300, 9.1057, -74.1328
Hunter-Lab	69.9090, -35.8435, 3.9909

Details

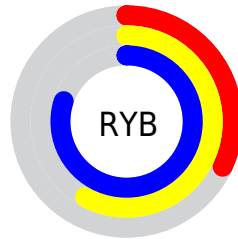
The XYZ color **33.8764, 48.8727, 52.9953** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **30.5192, 19.8247, 14.7901**, and the grayscale version is **36.0009, 37.8757, 41.2467**.

A 20% lighter version of the original color is **62.6435, 83.5621, 95.2655**, and **15.0031, 23.4514, 25.2086** is the 20% darker color. If you saturate the color by 10%, you get **32.0185, 47.9577, 51.0325**, and if you desaturate by 10%, it is **36.2762, 50.0684, 55.0323**.

Distribution



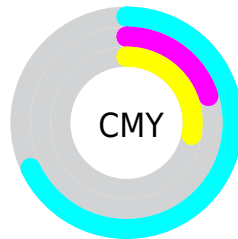
- Red (32%)
- Green (80%)
- Blue (72%)



- Red (32%)
- Yellow (58%)
- Blue (80%)



- Cyan (60%)
- Magenta (0%)
- Yellow (10%)
- Black (20%)



- Cyan (68%)
- Magenta (20%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8764, 48.8727, 52.9953 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 33.8764, 48.8727, 52.9953 by changing the saturation by 10% instead.

■ 33.8764, 48.8727,
52.9953

■ 33.8764, 48.8727,
52.9953

311.1762,
382.2410, 415.3329

■ 22.9611, 34.5185,
37.4113

■ 65.0870, 88.5024,
96.0389

■ 14.6853, 23.2922,
25.2278

■ 86.1130, 114.5466,
124.3357

■ 8.6837, 14.8094,
16.0263

■ 111.2399,
145.2563, 157.7071

■ 4.5909, 8.6857,
9.3882

■ 140.8332,
181.0159, 196.5716

■ 2.0416, 4.5368,
4.8950

175.2580,
222.2098, 241.3480

■ 0.6571, 1.9781,
2.1281

214.8799,

■ 0.0000, 0.5947,

269.2223, 292.4546

0.6324

260.0642,
322.4379, 350.3101

■ 0.0000, 0.0000,
0.0000

■ 33.8764, 48.8727,
52.9953

■ 33.8764, 48.8727,
52.9953

■ 32.0185, 47.9577,
51.0325

■ 36.2762, 50.0684,
55.0323

■ 30.6489, 47.2921,
49.1378

■ 39.2570, 51.5615,
57.1423

■ 29.7102, 46.8477,
47.3092

■ 42.8591, 53.3738,
59.3287

■ 29.1145, 46.5772,
45.6258

■ 47.1181, 55.5236,
61.5935

■ 52.0666, 58.0279,
63.9385

■ 57.7354, 60.9025,
66.3654

■ 64.1531, 64.1620,
68.8759

■ 71.3468, 67.8205,
71.4716

■ 75.3702, 69.8435,
73.9681

Harmonies

Analogous

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



35.4418, 48.8727, 35.5216



33.8764, 48.8727, 52.9953



35.3780, 48.8727, 75.4991

Triad

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



33.8764, 48.8727, 52.9953



53.6923, 48.8727, 95.9047



53.8383, 48.8727, 25.6852

Complementary

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



33.8764, 48.8727, 52.9953



30.5192, 19.8247, 14.7901

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.



59.6249, 48.8727, 35.8122



33.8764, 48.8727, 52.9953



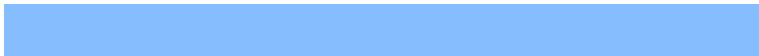
59.5346, 48.8727, 75.9792

Square

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



33.8764, 48.8727, 52.9953



46.3756, 48.8727, 103.8627



61.8084, 48.8727, 53.4334



46.5286, 48.8727, 22.4753

Rectangle

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



33.8764, 48.8727, 52.9953



38.0155, 48.8727, 89.7671



61.8084, 48.8727, 53.4334



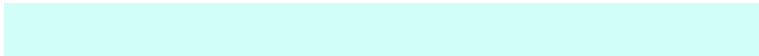
56.0526, 48.8727, 28.2371

Sweetspot

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



33.8778, 48.8746, 52.9964



78.9062, 91.8193, 101.7426



28.9961, 47.1859, 15.3651



16.4085, 19.4101, 21.5384



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.



33.8778, 48.8746, 52.9964



51.5866, 78.1329, 82.5080



28.0021, 33.3345, 62.7181



11.4585, 12.6932, 13.9719



18.1549, 29.0073, 28.5643



0.9587, 1.5053, 1.5903

Inverse Universe

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



30.5192, 19.8247, 14.7901



45.6775, 26.4253, 14.8460



33.4123, 27.0720, 11.2500



11.2886, 11.2442, 12.0542



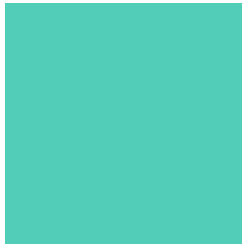
15.8840, 8.1642, 1.8419



0.8441, 0.4310, 0.2247

Previews

White Background



This preview shows how the XYZ color 33.8764, 48.8727, 52.9953 looks on a white background.

Color Contrast Check

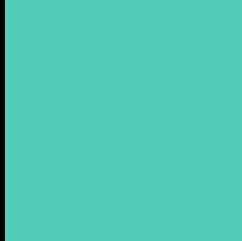
Large Text (above 18pt) WCAG AA × Fail

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 33.8764, 48.8727, 52.9953 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

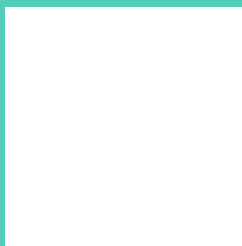
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8764, 48.8727, 52.9953

Background



This preview shows how black text looks on a background with the XYZ color 33.8764, 48.8727, 52.9953.

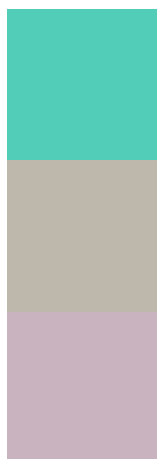


This preview shows how white text looks on a background with the XYZ color 33.8764, 48.8727,

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

33.8764, 48.8727, 52.9953

Protanopia

45.8221, 48.2067, 45.9195

Deuteranopia

49.2338, 48.2373, 55.4310



Tritanopia

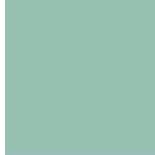
37.7948, 48.6980, 73.0533

Trichromacy



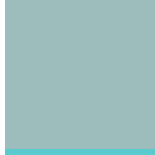
Original Color

33.8764, 48.8727, 52.9953



Protanomaly

39.2638, 47.3179, 48.1381



Deuteranomaly

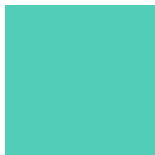
40.9649, 46.7654, 54.4445



Tritanomaly

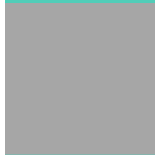
36.2598, 48.7727, 65.2606

Monochromacy



Original Color

33.8764, 48.8727, 52.9953



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.8558, 40.8105, 45.6280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8764, 48.8727, 52.9953 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(81, 205, 184)` looks like.

```
.text, #text, p{  
    color:rgb(81, 205, 184)  
}
```

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(81, 205, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 205, 184) }
```

Border

The CSS property to change the border of an element to XYZ 33.8764, 48.8727, 52.9953 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(81, 205, 184) }
```


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

```
.border{ border-color:rgb(81, 205, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 205, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 205, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 205, 184);  
box-shadow:4px 4px 4px 4px rgb(81, 205,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8764, 48.8727, 52.9953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 205, 184) }
```

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

```
.background{ background-color: rgb(81, 205,  
184) }
```

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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