

Converting Colors

XYZ(33.3666, 44.6330, 50.9560)

Have a look what the booklet for
XYZ(33.3666, 44.6330, 50.9560)
contains.

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Color

**XYZ(33.3392, 44.5206,
51.0921)**

Conversions

Conversions Part 1

Format	Color
Hex	69C1B6
RGB	105, 193, 182
RGB Percent	41%, 76%, 71%
CMY	0.5882, 0.2431, 0.2863
CMYK	0.46, 0.00, 0.06, 0.24
HSL	172°, 42%, 58%
HSV	172°, 46%, 76%
XYZ	33.3392, 44.5206, 51.0921
YIQ	165.4340, -48.9170, -22.0770

Conversions

Conversions Part 2

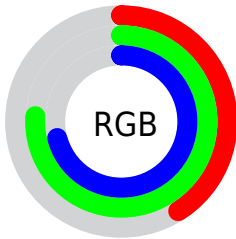
Format	Color
RYB	105, 152, 193
Decimal	6930870
CIELab	72.58, -29.17, -2.70
CIELCh	73, 29.292, 185.288
Yxy	44.5206, 0.2585, 0.3452
Android (android.graphics.Color)	4285120950 (0xFF69C1B6)
YUV	165.4340, 8.1670, -53.0006
Hunter-Lab	66.7238, -27.5773, 1.3068

Details

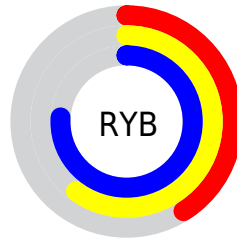
The XYZ color **33.3392, 44.5206, 51.0921** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.1979, 22.7029, 19.3153**, and the grayscale version is **35.9526, 37.8249, 41.1913**.

A 20% lighter version of the original color is **64.3162, 82.1213, 93.3501**, and **14.3674, 20.6546, 23.9984** is the 20% darker color. If you saturate the color by 10%, you get **31.0775, 43.3843, 49.6965**, and if you desaturate by 10%, it is **36.1222, 45.9273, 52.5365**.

Distribution



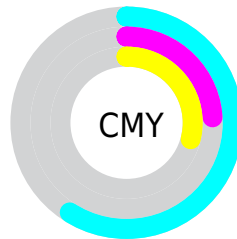
- Red (41%)
- Green (76%)
- Blue (71%)



- Red (41%)
- Yellow (60%)
- Blue (76%)



- Cyan (46%)
- Magenta (0%)
- Yellow (6%)
- Black (24%)



- Cyan (59%)
- Magenta (24%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3392, 44.5206, 51.0921 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 33.3392, 44.5206, 51.0921 by changing the saturation by 10% instead.

■ 33.3392, 44.5206,
51.0921

■ 33.3392, 44.5206,
51.0921

308.8135,
364.8285, 407.7783

■ 22.5469, 31.0800,
35.9047

■ 64.2559, 82.0005,
93.2038

■ 14.3782, 20.6598,
24.0715

■ 85.1110, 106.8087,
120.9651

■ 8.4676, 12.8755,
15.1740

■ 110.0510,
136.1748, 153.7549

■ 4.4499, 7.3429,
8.7936

■ 139.4414,
170.4832, 191.9915

■ 1.9597, 3.6775,
4.5118

173.6475,
210.1184, 236.0937

■ 0.6112, 1.4948,
1.9101

213.0347,

■ 0.0000, 0.2851,

255.4648, 286.4798

0.4992

257.9682,
306.9067, 343.5685

■ 0.0000, 0.0000,
0.0000

■ 33.3392, 44.5206,
51.0921

■ 33.3392, 44.5206,
51.0921

■ 31.0775, 43.3843,
49.6965

■ 36.1222, 45.9273,
52.5365

■ 29.2980, 42.4950,
48.3449

■ 39.4545, 47.6156,
54.0281

■ 27.9623, 41.8340,
47.0362


■ 43.3669, 49.6025,
55.5696


■ 27.0242, 41.3775,
45.7682


■ 47.8867, 51.9019,
57.1622


■ 26.4268, 41.0961,
44.5382


■ 53.0393, 54.5271,
58.8073

 26.2203, 41.0012,
44.0059

 58.8489, 57.4905,
60.5062

 65.3383, 60.8038,
62.2599

 70.8893, 63.6328,
63.9929

 71.1760, 63.7475,
65.5029

Harmonies

Analogous

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



34.0700, 44.5206, 37.7243



33.3392, 44.5206, 51.0921



34.8528, 44.5206, 66.4411

Triad

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



33.3392, 44.5206, 51.0921



48.1952, 44.5206, 74.9948



46.5192, 44.5206, 27.2945

Complementary

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



33.3392, 44.5206, 51.0921



30.1979, 22.7029, 19.3153

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.



50.7739, 44.5206, 34.0807



33.3392, 44.5206, 51.0921



51.7944, 44.5206, 61.0965

Square

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



33.3392, 44.5206, 51.0921



43.2196, 44.5206, 81.8934



52.7736, 44.5206, 45.9495



41.4241, 44.5206, 25.6672

Rectangle

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



33.3392, 44.5206, 51.0921



37.0080, 44.5206, 75.2106



52.7736, 44.5206, 45.9495



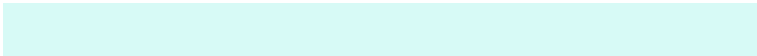
48.1076, 44.5206, 28.9710

Sweetspot

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



33.3405, 44.5224, 51.0931



78.7155, 89.3679, 99.9087



28.9215, 42.9251, 20.1267



16.5335, 18.9927, 21.3026



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



33.3405, 44.5224, 51.0931



55.5621, 77.6507, 88.9380



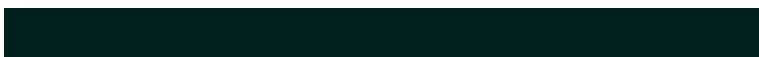
28.1511, 32.2518, 55.1955



10.3126, 11.4061, 12.6494



17.4592, 27.2777, 29.3748



0.7699, 1.1848, 1.3509

Inverse Universe

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



30.1979, 22.7029, 19.3153



49.2381, 33.5966, 24.8819



33.5273, 30.3262, 17.4521



10.1233, 10.0979, 10.7399



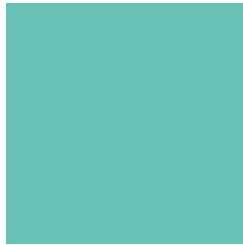
14.7545, 7.5916, 1.3535



0.6547, 0.3349, 0.1491

Previews

White Background



This preview shows how the XYZ color 33.3392, 44.5206, 51.0921 looks on a white background.

Color Contrast Check

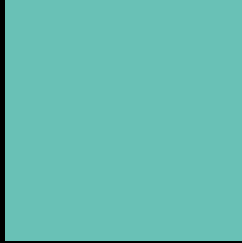
Large Text (above 18pt) WCAG AA × Fail

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 33.3392, 44.5206, 51.0921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

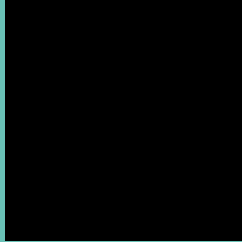
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3392, 44.5206, 51.0921

Background



This preview shows how black text looks on a background with the XYZ color 33.3392, 44.5206, 51.0921.

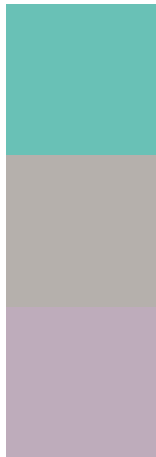


This preview shows how white text looks on a background with the XYZ color 33.3392, 44.5206,

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

33.3392, 44.5206, 51.0921

Protanopia

42.0278, 43.8530, 45.2791

Deuteranopia

44.9574, 44.0401, 53.1448



Tritanopia

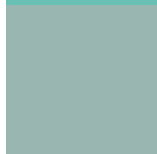
36.1150, 44.6794, 64.4781

Trichromacy



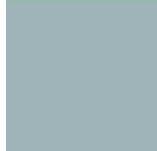
Original Color

33.3392, 44.5206, 51.0921



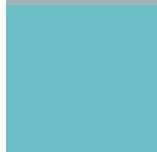
Protanomaly

37.7013, 43.3628, 47.4571



Deuteranomaly

39.3763, 43.5162, 52.2231



Tritanomaly

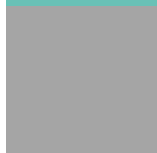
35.0155, 44.5440, 59.5757

Monochromacy



Original Color

33.3392, 44.5206, 51.0921



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

34.0084, 39.4399, 44.3483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3392, 44.5206, 51.0921 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(105, 193, 182)` looks like.

```
.text, #text, p{  
    color:rgb(105, 193, 182)  
}
```

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(105, 193, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 193, 182) }
```

Border

The CSS property to change the border of an element to XYZ 33.3392, 44.5206, 51.0921 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(105, 193, 182) }
```


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

```
.border{ border-color:rgb(105, 193, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 193, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 193, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 193, 182);  
box-shadow:4px 4px 4px 4px rgb(105, 193,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3392, 44.5206, 51.0921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 193, 182) }
```

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

```
.background{ background-color: rgb(105,  
193, 182) }
```

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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