

Converting Colors

XYZ(34.1366, 46.0536, 50.9575)

Have a look what the booklet for
XYZ(34.1366, 46.0536, 50.9575)
contains.

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Color

**XYZ(34.0243, 45.8802,
50.7786)**

Conversions

Conversions Part 1

Format	Color
Hex	6AC4B5
RGB	106, 196, 181
RGB Percent	42%, 77%, 71%
CMY	0.5843, 0.2314, 0.2902
CMYK	0.46, 0.00, 0.08, 0.23
HSL	170°, 43%, 59%
HSV	170°, 46%, 77%
XYZ	34.0243, 45.8802, 50.7786
YIQ	167.3800, -48.8250, -23.7450

Conversions

Conversions Part 2

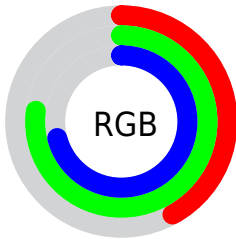
Format	Color
R _{YB}	106, 155, 196
Decimal	6997173
CIE _{Lab}	73.47, -30.62, -0.84
CIE _{LCh}	73, 30.628, 181.576
Yxy	45.8802, 0.2604, 0.3511
Android (android.graphics.Color)	4285187253 (0xFF6AC4B5)
YUV	167.3800, 6.7147, -53.8303
Hunter-Lab	67.7349, -28.8728, 2.9667

Details

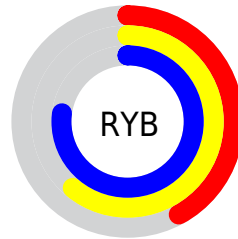
The XYZ color **34.0243, 45.8802, 50.7786** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.3718, 23.4256, 20.9590**, and the grayscale version is **36.9024, 38.8242, 42.2795**.

A 20% lighter version of the original color is **65.3116, 84.0464, 92.9010**, and **14.7882, 21.5329, 23.7989** is the 20% darker color. If you saturate the color by 10%, you get **31.6249, 44.6827, 48.9376**, and if you desaturate by 10%, it is **36.9665, 47.3589, 52.6880**.

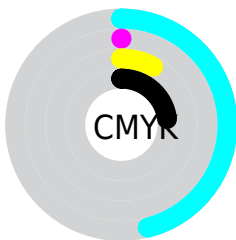
Distribution



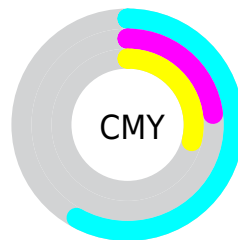
- Red (42%)
- Green (77%)
- Blue (71%)



- Red (42%)
- Yellow (61%)
- Blue (77%)



- Cyan (46%)
- Magenta (0%)
- Yellow (8%)
- Black (23%)



- Cyan (58%)
- Magenta (23%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0243, 45.8802, 50.7786 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 34.0243, 45.8802, 50.7786 by changing the saturation by 10% instead.

■ 34.0243, 45.8802,
50.7786

■ 34.0243, 45.8802,
50.7786

311.8244,
370.3268, 406.5250

■ 23.0752, 32.1513,
35.6569

■ 65.3155, 84.0397,
92.7356

■ 14.7701, 21.4771,
23.8818

■ 86.3883, 109.2390,
120.4080

■ 8.7434, 13.4732,
15.0345

■ 111.5665,
139.0307, 153.1010

■ 4.6300, 7.7552,
8.6967

■ 141.2153,
173.7990, 191.2332

■ 2.0643, 3.9387,
4.4498

175.7002,
213.9284, 235.2232

■ 0.6697, 1.6393,
1.8752

215.3864,

■ 0.0000, 0.3839,

259.8032, 285.4895

0.4769

260.6394,
311.8079, 342.4505

■ 0.0000, 0.0000,
0.0000

■ 34.0243, 45.8802,
50.7786

■ 34.0243, 45.8802,
50.7786

■ 31.6249, 44.6827,
48.9376

■ 36.9665, 47.3589,
52.6880

■ 29.7276, 43.7420,
47.1599

■ 40.4809, 49.1305,
54.6646

■ 28.2921, 43.0384,
45.4443


■ 44.5994, 51.2127,
56.7110


■ 27.2704, 42.5473,
43.7882

■ 49.3505, 53.6200,
58.8288


■ 26.6020, 42.2375,
42.1887


■ 54.7607, 56.3662,
61.0197

 26.3813, 42.1376,
41.5495

 60.8552, 59.4642,
63.2849

 67.6576, 62.9262,
65.6259

 72.2601, 65.2531,
67.9069

 72.6642, 65.4148,
70.0346

Harmonies

Analogous

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



35.0935, 45.8802, 37.0883



34.0243, 45.8802, 50.7786



35.3413, 45.8802, 67.2132

Triad

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



34.0243, 45.8802, 50.7786



49.2777, 45.8802, 79.8368



48.7427, 45.8802, 28.0900

Complementary

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



34.0243, 45.8802, 50.7786



31.3718, 23.4256, 20.9590

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.



53.0720, 45.8802, 35.9382



34.0243, 45.8802, 50.7786



53.3984, 45.8802, 65.5005

Square

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



34.0243, 45.8802, 50.7786



43.8941, 45.8802, 85.9954



54.8404, 45.8802, 49.1418



43.3226, 45.8802, 25.7236

Rectangle

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



34.0243, 45.8802, 50.7786



37.4640, 45.8802, 77.0823



54.8404, 45.8802, 49.1418



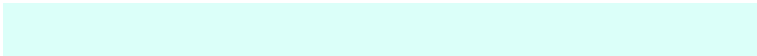
50.3889, 45.8802, 30.0817

Sweetspot

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



34.0256, 45.8820, 50.7797



82.1703, 93.4693, 103.3734



30.4399, 44.6965, 20.6596



17.2081, 19.8141, 21.9489



0.0000, 0.0000, 0.0000



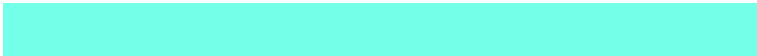
20.3446, 21.4041, 23.3091

Same Dimension

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



34.0256, 45.8820, 50.7797



57.3092, 80.9527, 88.6677



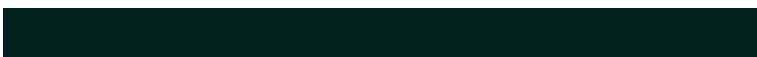
29.8196, 34.8723, 57.3859



10.2941, 11.3987, 12.5521



16.9779, 27.0852, 26.8405



0.7532, 1.1781, 1.2629

Inverse Universe

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



31.3718, 23.4256, 20.9590



51.9390, 35.3032, 28.1700



33.9624, 29.9666, 17.6308



10.1402, 10.1047, 10.8287



14.8228, 7.6189, 1.7129



0.6623, 0.3379, 0.1890

Previews

White Background



This preview shows how the XYZ color 34.0243, 45.8802, 50.7786 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 34.0243, 45.8802, 50.7786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

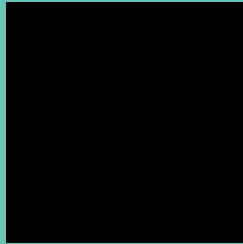
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

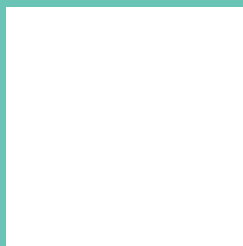
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.0243, 45.8802, 50.7786

Background



This preview shows how black text looks on a background with the XYZ color 34.0243, 45.8802, 50.7786.

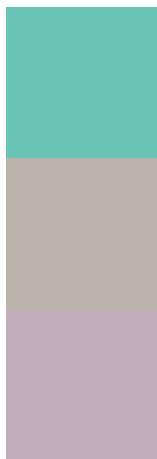


This preview shows how white text looks on a background with the XYZ color 34.0243, 45.8802,

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

34.0243, 45.8802, 50.7786

Protanopia

43.4784, 45.4948, 45.0179

Deuteranopia

46.2471, 45.2866, 52.7581



Tritanopia

37.1742, 45.8307, 66.5614

Trichromacy



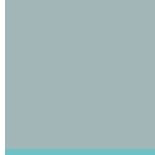
Original Color

34.0243, 45.8802, 50.7786



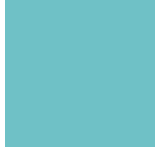
Protanomaly

38.7971, 44.8610, 47.1717



Deuteranomaly

40.2800, 44.5980, 51.8327



Tritanomaly

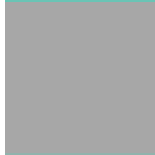
35.8186, 45.5967, 60.3393

Monochromacy



Original Color

34.0243, 45.8802, 50.7786



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

35.0438, 40.8391, 45.0655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0243, 45.8802, 50.7786 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(106, 196, 181)` looks like.

```
.text, #text, p{  
    color:rgb(106, 196, 181)  
}
```

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(106, 196, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 196, 181) }
```

Border

The CSS property to change the border of an element to XYZ 34.0243, 45.8802, 50.7786 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(106, 196, 181) }
```


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

```
.border{ border-color:rgb(106, 196, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 196, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 196, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 196, 181);  
box-shadow:4px 4px 4px 4px rgb(106, 196,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0243, 45.8802, 50.7786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 196, 181) }
```

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

```
.background{ background-color: rgb(106,  
196, 181) }
```

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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