

Converting Colors

XYZ(33.6282, 45.4361, 66.6820)

Have a look what the booklet for
XYZ(33.6282, 45.4361, 66.6820)
contains.

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Color

**XYZ(33.5793, 45.2991,
66.6483)**

Conversions

Conversions Part 1

Format	Color
Hex	45C4D0
RGB	69, 196, 208
RGB Percent	27%, 77%, 82%
CMY	0.7294, 0.2314, 0.1843
CMYK	0.67, 0.06, 0.00, 0.18
HSL	185°, 60%, 54%
HSV	185°, 67%, 82%
XYZ	33.5793, 45.2991, 66.6483
YIQ	159.3950, -79.5440, -23.1920

Conversions

Conversions Part 2

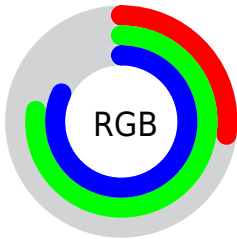
Format	Color
RYB	69, 135, 208
Decimal	4572368
CIELab	73.09, -30.54, -16.21
CIELCh	73, 34.573, 207.966
Yxy	45.2991, 0.2307, 0.3113
Android (android.graphics.Color)	4282762448 (0xFF45C4D0)
YUV	159.3950, 23.9623, -79.2764
Hunter-Lab	67.3046, -28.7267, -11.5986

Details

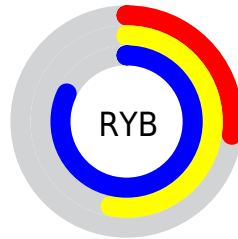
The XYZ color **33.5793, 45.2991, 66.6483** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.0301, 19.7256, 7.8562**, and the grayscale version is **33.0568, 34.7783, 37.8736**.

A 20% lighter version of the original color is **63.0068, 82.5389, 107.2185**, and **15.5057, 21.6791, 33.9391** is the 20% darker color. If you saturate the color by 10%, you get **31.9520, 43.8635, 66.4578**, and if you desaturate by 10%, it is **35.7312, 47.0143, 66.8668**.

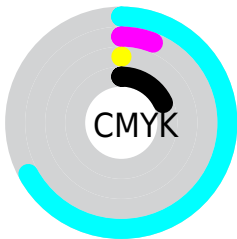
Distribution



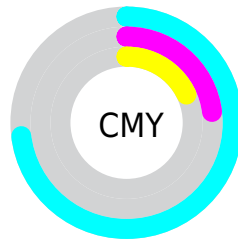
- Red (27%)
- Green (77%)
- Blue (82%)



- Red (27%)
- Yellow (53%)
- Blue (82%)



- Cyan (67%)
- Magenta (6%)
- Yellow (0%)
- Black (18%)



- Cyan (73%)
- Magenta (23%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5793, 45.2991, 66.6483 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 33.5793, 45.2991, 66.6483 by changing the saturation by 10% instead.

■ 33.5793, 45.2991,
66.6483

■ 33.5793, 45.2991,
66.6483

309.8711,
367.9836, 467.1592

■ 22.7319, 31.6931,
48.3391

■ 64.6276, 83.1691,
116.0522

■ 14.5153, 21.1272,
33.7336

■ 85.5592, 108.2018,
147.9839

■ 8.5640, 13.2170,
22.4133

■ 110.5829,
137.8122, 185.2935

■ 4.5127, 7.5781,
13.9597

■ 140.0642,
172.3847, 228.3996

■ 1.9961, 3.8262,
7.9542

174.3682,
212.3037, 277.7207

■ 0.6318, 1.5768,
3.9783

213.8605,

■ 0.0000, 0.3419,

257.9536, 333.6753

1.6134

258.9064,
309.7188, 396.6819

■ 0.0000, 0.0000,
0.3004

■ 0.0000, 0.0000,
0.0000

■ 33.5793, 45.2991,
66.6483

■ 33.5793, 45.2991,
66.6483

■ 31.9520, 43.8635,
66.4578

■ 35.7312, 47.0143,
66.8668

■ 30.7884, 42.6731,
66.2894

■ 38.4520, 49.0290,
67.1123

■ 30.0153, 41.6912,
66.1406

■ 41.7863, 51.3672,
67.3878

■ 29.8087, 41.4009,
66.0954

■ 45.7729, 54.0490,
67.6954

■ 50.4475, 57.0927,
68.0365

■ 55.8430, 60.5154,
68.4128

■ 61.9904, 64.3331,
68.8256

■ 68.9188, 68.5607,
69.2765

■ 76.2095, 72.9825,
69.7457

Harmonies

Analogous

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



32.4478, 45.2991, 48.1505



33.5793, 45.2991, 66.6483



37.1769, 45.2991, 83.2873

Triad

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



33.5793, 45.2991, 66.6483



53.6856, 45.2991, 69.1818



43.4694, 45.2991, 22.9643

Complementary

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



33.5793, 45.2991, 66.6483



30.0301, 19.7256, 7.8562

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.



49.5231, 45.2991, 26.1336



33.5793, 45.2991, 66.6483



55.7545, 45.2991, 50.5144

Square

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



33.5793, 45.2991, 66.6483



48.7425, 45.2991, 84.9745



54.1651, 45.2991, 35.2950



37.8289, 45.2991, 25.3673

Rectangle

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



33.5793, 45.2991, 66.6483



40.6761, 45.2991, 89.5934



54.1651, 45.2991, 35.2950



45.5258, 45.2991, 23.3940

Sweetspot

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



33.5807, 45.3008, 66.6494



77.3234, 88.8005, 107.6726



26.4809, 46.9658, 15.3740



16.0983, 18.7127, 23.0134



0.0000, 0.0000, 0.0000



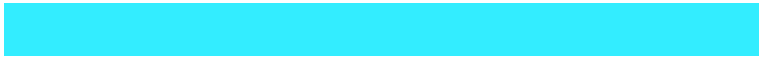
20.3446, 21.4041, 23.3091

Same Dimension

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



33.5807, 45.3008, 66.6494



49.8125, 68.7183, 105.2463



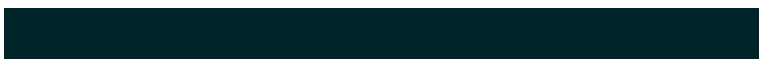
21.4194, 20.9782, 62.5956



12.0675, 13.2252, 15.1604



18.6138, 25.8743, 41.2057



1.0670, 1.4992, 2.3127

Inverse Universe

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



38.1055, 21.6529, 54.3973



57.7670, 29.7649, 83.1204



38.0075, 35.6804, 10.5153



12.2650, 11.9907, 14.6710



22.0261, 10.6833, 31.3735



1.2448, 0.6026, 1.8240

Previews

White Background



This preview shows how the XYZ color 33.5793, 45.2991, 66.6483 looks on a white background.

Color Contrast Check

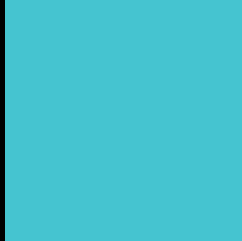
Large Text (above 18pt) WCAG AA × Fail

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 33.5793, 45.2991, 66.6483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

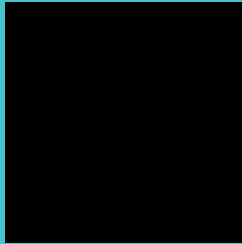
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5793, 45.2991, 66.6483

Background



This preview shows how black text looks on a background with the XYZ color 33.5793, 45.2991, 66.6483.



This preview shows how white text looks on a background with the XYZ color 33.5793, 45.2991,

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

33.5793, 45.2991, 66.6483

Protanopia

43.5904, 44.6599, 58.5473

Deuteranopia

45.5064, 44.5412, 69.1497



Tritanopia

33.8715, 45.0730, 68.5428

Trichromacy



Original Color

33.5793, 45.2991, 66.6483

Protanomaly

37.8823, 43.7695, 61.0953

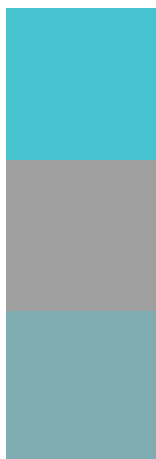
Deuteranomaly

38.9671, 43.5623, 67.9826

Tritanomaly

33.6738, 44.9854, 67.8810

Monochromacy



Original Color

33.5793, 45.2991, 66.6483

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.2925, 37.1150, 47.1096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5793, 45.2991, 66.6483 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(69, 196, 208)` looks like.

```
.text, #text, p{  
    color:rgb(69, 196, 208)  
}
```

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(69, 196, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 196, 208) }
```

Border

The CSS property to change the border of an element to XYZ 33.5793, 45.2991, 66.6483 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(69, 196, 208) }
```


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

```
.border{ border-color:rgb(69, 196, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 196, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 196, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 196, 208);  
box-shadow:4px 4px 4px 4px rgb(69, 196,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5793, 45.2991, 66.6483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 196, 208) }
```

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

```
.background{ background-color: rgb(69, 196,  
208) }
```

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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