

Converting Colors

XYZ(33.0767, 45.5621, 41.1959)

Have a look what the booklet for
XYZ(33.0767, 45.5621, 41.1959)
contains.

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Color

**XYZ(33.0716, 45.5992,
41.2409)**

Conversions

Conversions Part 1

Format	Color
Hex	71C4A2
RGB	113, 196, 162
RGB Percent	44%, 77%, 64%
CMY	0.5569, 0.2314, 0.3647
CMYK	0.42, 0.00, 0.17, 0.23
HSL	155°, 41%, 61%
HSV	155°, 42%, 77%
XYZ	33.0716, 45.5992, 41.2409
YIQ	167.3070, -38.5540, -28.1700

Conversions

Conversions Part 2

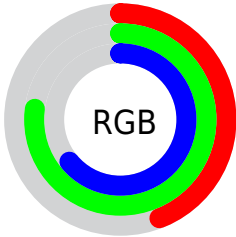
Format	Color
RYB	113, 165, 196
Decimal	7455906
CIELab	73.28, -33.17, 9.23
CIELCh	73, 34.433, 164.446
Yxy	45.5992, 0.2758, 0.3803
Android (android.graphics.Color)	4285645986 (0xFF71C4A2)
YUV	167.3070, -2.6164, -47.6272
Hunter-Lab	67.5272, -30.7518, 11.0588

Details

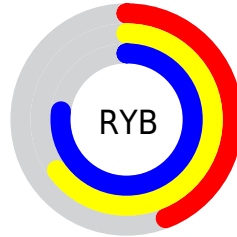
The XYZ color **33.0716, 45.5992, 41.2409** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.9381, 25.6538, 30.7686**, and the grayscale version is **36.9072, 38.8292, 42.2850**.

A 20% lighter version of the original color is **63.7981, 83.5851, 78.4167**, and **14.2324, 21.3713, 18.1268** is the 20% darker color. If you saturate the color by 10%, you get **30.1262, 44.1618, 37.4960**, and if you desaturate by 10%, it is **36.6097, 47.3392, 45.2535**.

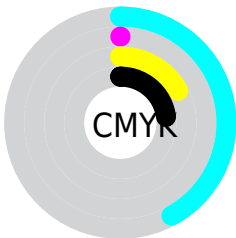
Distribution



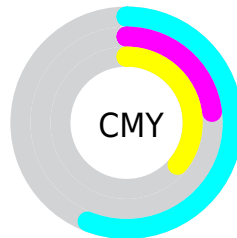
- Red (44%)
- Green (77%)
- Blue (64%)



- Red (44%)
- Yellow (65%)
- Blue (77%)



- Cyan (42%)
- Magenta (0%)
- Yellow (17%)
- Black (23%)



- Cyan (56%)
- Magenta (23%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0716, 45.5992, 41.2409 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 33.0716, 45.5992, 41.2409 by changing the saturation by 10% instead.

■ 33.0716, 45.5992,
41.2409

■ 33.0716, 45.5992,
41.2409

307.6315,
369.1949, 367.0329

■ 22.3408, 31.9297,
28.1862

■ 63.8412, 83.6188,
78.3071

■ 14.2255, 21.3078,
18.2258

■ 84.6108, 108.7377,
103.1557

■ 8.3604, 13.3492,
10.9411

■ 109.4573,
138.4419, 132.7727

■ 4.3802, 7.6694,
5.9136

138.7461,
173.1156, 167.5767

■ 1.9194, 3.8842,
2.7247

172.8425,
213.1434, 207.9862

■ 0.5881, 1.6090,
0.9558

212.1120,

■ 0.0000, 0.3636,

258.9097, 254.4197

0.0000

256.9199,
310.7987, 307.2957

■ 0.0000, 0.0000,
0.0000

■ 33.0716, 45.5992,
41.2409

■ 33.0716, 45.5992,
41.2409

■ 30.1262, 44.1618,
37.4960

■ 36.6097, 47.3392,
45.2535

■ 27.7334, 43.0030,
34.0095

■ 40.7697, 49.3933,
49.5364

■ 25.8541, 42.1038,
30.7761


■ 45.5834, 51.7789,
54.0963


■ 24.4419, 41.4405,
27.7889


■ 51.0794, 54.5107,
58.9387


■ 23.4416, 40.9846,
25.0404


■ 57.2843, 57.6023,
64.0687

 22.8762, 40.7357,
23.0916

 64.2234, 61.0667,
69.4913

 71.9207, 64.9162,
75.2117

 74.7408, 66.2455,
80.9696

 75.8703, 66.6973,
86.9178

Harmonies

Analogous

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



35.6943, 45.5992, 29.4603



33.0716, 45.5992, 41.2409



33.0230, 45.5992, 58.4336

Triad

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



33.0716, 45.5992, 41.2409



46.3080, 45.5992, 89.4068



52.1877, 45.5992, 29.7833

Complementary

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



33.0716, 45.5992, 41.2409



33.9381, 25.6538, 30.7686

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.



55.6105, 45.5992, 41.7935



33.0716, 45.5992, 41.2409



52.0078, 45.5992, 77.4358

Square

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



33.0716, 45.5992, 41.2409



40.2954, 45.5992, 89.1601



55.5418, 45.5992, 59.1304



46.5356, 45.5992, 23.9725

Rectangle

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



33.0716, 45.5992, 41.2409



34.4375, 45.5992, 70.9796



55.5418, 45.5992, 59.1304



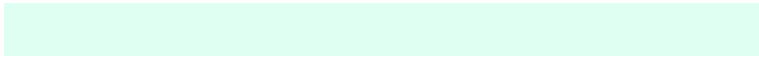
53.6596, 45.5992, 33.0885

Sweetspot

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



33.0729, 45.6010, 41.2419



81.7783, 93.4019, 97.2665



34.8596, 46.9312, 22.8449



17.0679, 19.7756, 20.4153



0.0000, 0.0000, 0.0000



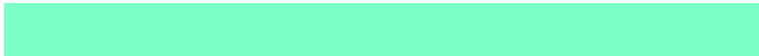
20.3446, 21.4041, 23.3091

Same Dimension

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



33.0729, 45.6010, 41.2419



54.8382, 80.1274, 68.2819



34.9909, 43.9291, 58.8616



10.1883, 11.3564, 11.9948



14.7420, 26.1909, 15.0664



0.6705, 1.1450, 0.8276

Inverse Universe

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



33.9381, 25.6538, 30.7686



56.6259, 39.1380, 46.8084



32.4534, 26.3421, 18.9976



10.2404, 10.1448, 11.3566



15.6053, 7.9319, 5.8337



0.7085, 0.3564, 0.4321

Previews

White Background



This preview shows how the XYZ color 33.0716, 45.5992, 41.2409 looks on a white background.

Color Contrast Check

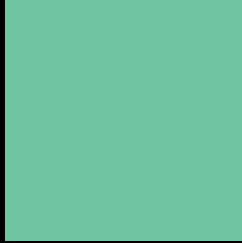
Large Text (above 18pt) WCAG AA × Fail

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 33.0716, 45.5992, 41.2409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

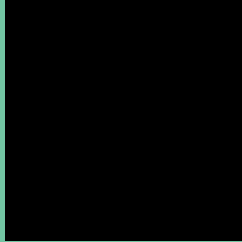
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.0716, 45.5992, 41.2409

Background



This preview shows how black text looks on a background with the XYZ color 33.0716, 45.5992, 41.2409.



This preview shows how white text looks on a background with the XYZ color 33.0716, 45.5992,

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

33.0716, 45.5992, 41.2409

Protanopia

42.6089, 45.2315, 36.6218

Deuteranopia

46.0060, 45.0947, 42.8386



Tritanopia

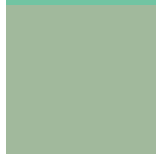
37.7451, 45.5198, 64.5544

Trichromacy



Original Color

33.0716, 45.5992, 41.2409



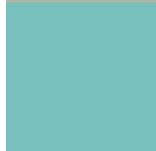
Protanomaly

38.0477, 44.6753, 38.0704



Deuteranomaly

39.6776, 44.1994, 42.0374



Tritanomaly

35.7807, 45.3665, 55.0149

Monochromacy



Original Color

33.0716, 45.5992, 41.2409



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.7445, 40.7604, 41.6336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0716, 45.5992, 41.2409 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(113, 196, 162)` looks like.

```
.text, #text, p{  
    color:rgb(113, 196, 162)  
}
```

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(113, 196, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 196, 162) }
```

Border

The CSS property to change the border of an element to XYZ 33.0716, 45.5992, 41.2409 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(113, 196, 162) }
```


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

```
.border{ border-color:rgb(113, 196, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 196, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 196, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 196, 162); box-shadow:4px 4px 4px 4px rgb(113, 196, 162) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0716, 45.5992, 41.2409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 196, 162) }
```

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

```
.background{ background-color: rgb(113,  
196, 162) }
```

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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