

Converting Colors

XYZ(39.7114, 44.9843, 20.1926)

Have a look what the booklet for
XYZ(39.7114, 44.9843, 20.1926)
contains.

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Color

**XYZ(39.8230, 45.0613,
20.2345)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB66A
RGB	187, 182, 106
RGB Percent	73%, 71%, 42%
CMY	0.2667, 0.2863, 0.5843
CMYK	0.00, 0.03, 0.43, 0.27
HSL	56°, 37%, 57%
HSV	56°, 43%, 73%
XYZ	39.8230, 45.0613, 20.2345
YIQ	174.8310, 27.3760, -22.5760

Conversions

Conversions Part 2

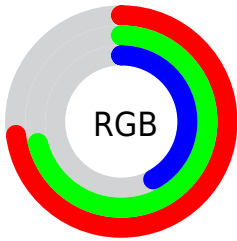
Format	Color
RYB	111, 187, 106
Decimal	12301930
CIELab	72.93, -9.19, 39.20
CIELCh	73, 40.262, 103.191
Yxy	45.0613, 0.3788, 0.4287
Android (android.graphics.Color)	4290492010 (0xFFBBB66A)
YUV	174.8310, -33.9337, 10.6722
Hunter-Lab	67.1277, -11.5797, 29.1174

Details

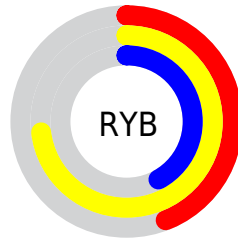
The XYZ color **39.8230, 45.0613, 20.2345** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.5979, 18.0204, 49.4063**, and the grayscale version is **40.8211, 42.9470, 46.7693**.

A 20% lighter version of the original color is **74.1408, 82.8854, 44.8917**, and **18.0798, 20.8916, 6.8210** is the 20% darker color. If you saturate the color by 10%, you get **38.7199, 44.2453, 15.5812**, and if you desaturate by 10%, it is **41.1423, 45.9701, 26.0072**.

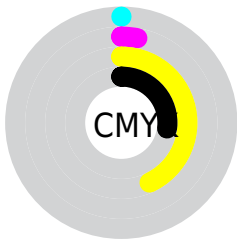
Distribution



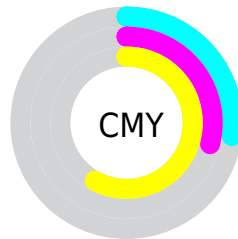
- Red (73%)
- Green (71%)
- Blue (42%)



- Red (44%)
- Yellow (73%)
- Blue (42%)



- Cyan (0%)
- Magenta (3%)
- Yellow (43%)
- Black (27%)



- Cyan (27%)
- Magenta (29%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8230, 45.0613, 20.2345 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 39.8230, 45.0613, 20.2345 by changing the saturation by 10% instead.

■ 39.8230, 45.0613,
20.2345

■ 39.8230, 45.0613,
20.2345

336.5242,
367.0218, 265.8279

■ 27.5842, 31.5057,
12.3799

■ 74.1800, 82.8124,
44.6741

■ 18.1513, 20.9842,
6.8773

■ 97.0288, 107.7767,
62.0962

■ 11.1590, 13.1125,
3.3082

■ 124.1450,
137.3127, 83.5444

■ 6.2420, 7.5060,
1.2541

■ 155.8940,
171.8047, 109.4375

■ 3.0348, 3.7805,
0.0237

192.6410,
211.6373, 140.1938

■ 1.1722, 1.5516,
0.0000

234.7515,

■ 0.0843, 0.3246,

257.1947, 176.2319

0.0000

282.5908,
308.8614, 217.9704

■ 0.0000, 0.0000,
0.0000

■ 39.8230, 45.0613,
20.2345

■ 39.8230, 45.0613,
20.2345

■ 38.7199, 44.2453,
15.5812

■ 41.1423, 45.9701,
26.0072

■ 37.8158, 43.5105,
11.9710

■ 42.6872, 46.9706,
32.9630

■ 37.0962, 42.8525,
9.3227


■ 44.4705, 48.0697,
41.1646


■ 36.5432, 42.2642,
7.5421


■ 46.5030, 49.2715,
50.6691


■ 36.1352, 41.7370,
6.5157

■ 48.7951, 50.5803,
61.5303

 35.9147, 41.4072,
6.0995

 51.3562, 51.9999,
73.7987

 54.1955, 53.5339,
87.5226

 57.2246, 55.1470,
102.2361

 57.4775, 55.6528,
102.3204

Harmonies

Analogous

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



46.8518, 45.0613, 20.5864



39.8230, 45.0613, 20.2345



34.2408, 45.0613, 25.9358

Triad

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



39.8230, 45.0613, 20.2345



33.7245, 45.0613, 80.5562



57.0906, 45.0613, 61.1110

Complementary

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



39.8230, 45.0613, 20.2345



20.5979, 18.0204, 49.4063

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.



52.7460, 45.0613, 82.9814



39.8230, 45.0613, 20.2345



39.0441, 45.0613, 96.1417

Square

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



39.8230, 45.0613, 20.2345



30.9880, 45.0613, 58.4230



45.9835, 45.0613, 97.1340



57.3581, 45.0613, 40.7622

Rectangle

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



39.8230, 45.0613, 20.2345



31.8784, 45.0613, 33.6153



45.9835, 45.0613, 97.1340



56.0386, 45.0613, 68.6417

Sweetspot

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



39.8241, 45.0634, 20.2354



79.6821, 86.1141, 73.8907



28.5392, 22.0299, 17.9033



17.3825, 18.8639, 15.5085



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



39.8241, 45.0634, 20.2354



69.4327, 79.3093, 28.2572



33.3023, 43.2471, 20.2286



10.2705, 11.0170, 10.1618



24.7652, 28.5691, 4.2091



0.9855, 1.1499, 0.1700

Inverse Universe

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



20.5979, 18.0204, 49.4063



30.5181, 24.5855, 87.3384



25.1256, 19.5680, 49.4664



9.0625, 9.3173, 11.9930



6.2860, 2.6837, 32.5796



0.2626, 0.1378, 1.2816

Previews

White Background



This preview shows how the XYZ color 39.8230, 45.0613, 20.2345 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 39.8230, 45.0613, 20.2345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

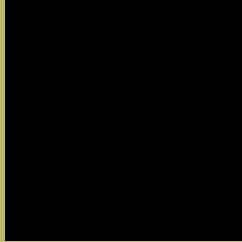
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8230, 45.0613, 20.2345

Background



This preview shows how black text looks on a background with the XYZ color 39.8230, 45.0613, 20.2345.



This preview shows how white text looks on a background with the XYZ color 39.8230, 45.0613,

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

39.8230, 45.0613, 20.2345

Protanopia

41.4349, 44.9959, 19.8658

Deuteranopia

45.9385, 44.9817, 20.7291



Tritanopia

46.5714, 45.1681, 52.7181

Trichromacy



Original Color

39.8230, 45.0613, 20.2345

Protanomaly

40.8634, 44.9999, 19.8967

Deuteranomaly

43.4903, 44.8645, 20.5549

Tritanomaly

43.6035, 44.8224, 38.2517

Monochromacy



Original Color

39.8230, 45.0613, 20.2345

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.0158, 43.6265, 35.1659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8230, 45.0613, 20.2345 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(187, 182, 106)` looks like.

```
.text, #text, p{  
    color:rgb(187, 182, 106)  
}
```

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(187, 182, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 182, 106) }
```

Border

The CSS property to change the border of an element to XYZ 39.8230, 45.0613, 20.2345 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(187, 182, 106) }
```


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

```
.border{ border-color:rgb(187, 182, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 182, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 182, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 182, 106);  
box-shadow:4px 4px 4px 4px rgb(187, 182,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8230, 45.0613, 20.2345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 182, 106) }
```

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

```
.background{ background-color: rgb(187,  
182, 106) }
```

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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