

Converting Colors

XYZ(39.1201, 48.6359, 12.1702)

Have a look what the booklet for
XYZ(39.1201, 48.6359, 12.1702)
contains.

XYZ(39.2733, 48.7775, 12.1956)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.2733, 48.7775,
12.1956)**

Conversions

Conversions Part 1

Format	Color
Hex	B5C240
RGB	181, 194, 64
RGB Percent	71%, 76%, 25%
CMY	0.2902, 0.2392, 0.7490
CMYK	0.07, 0.00, 0.67, 0.24
HSL	66°, 52%, 51%
HSV	66°, 67%, 76%
XYZ	39.2733, 48.7775, 12.1956
YIQ	175.2930, 33.9820, -43.1860

Conversions

Conversions Part 2

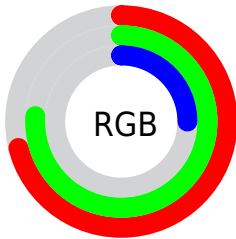
Format	Color
RYB	64, 194, 77
Decimal	11911744
CIELab	75.31, -21.18, 61.03
CIELCh	75, 64.598, 109.138
Yxy	48.7775, 0.3918, 0.4866
Android (android.graphics.Color)	4290101824 (0xFFB5C240)
YUV	175.2930, -54.8674, 5.0050
Hunter-Lab	69.8409, -21.8465, 38.5354

Details

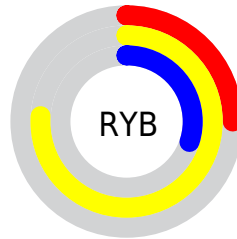
The XYZ color **39.2733, 48.7775, 12.1956** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted chartreuse. A complement of this color would be **14.6332, 9.1408, 52.0350**, and the grayscale version is **41.1639, 43.3076, 47.1620**.

A 20% lighter version of the original color is **73.1120, 88.0538, 30.5954**, and **17.9823, 23.4097, 3.5708** is the 20% darker color. If you saturate the color by 10%, you get **38.3630, 48.3629, 9.7559**, and if you desaturate by 10%, it is **40.3842, 49.2766, 15.6487**.

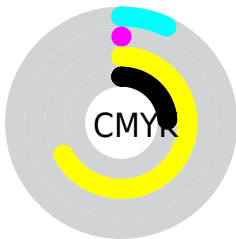
Distribution



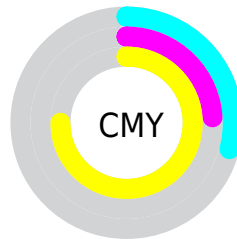
- Red (71%)
- Green (76%)
- Blue (25%)



- Red (25%)
- Yellow (76%)
- Blue (30%)



- Cyan (7%)
- Magenta (0%)
- Yellow (67%)
- Black (24%)



- Cyan (29%)
- Magenta (24%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2733, 48.7775, 12.1956 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 39.2733, 48.7775, 12.1956 by changing the saturation by 10% instead.

■ 39.2733, 48.7775,
12.1956

■ 39.2733, 48.7775,
12.1956

334.2382,
381.8657, 216.7196

■ 27.1541, 34.4430,
6.7529

■ 73.3470, 88.3609,
30.5206

■ 17.8262, 23.2341,
3.2319

■ 96.0323, 114.3786,
44.2399

■ 10.9242, 14.7665,
1.2143

■ 122.9702,
145.0595, 61.5552

■ 6.0828, 8.6557,
0.0000

■ 154.5263,
180.7880, 82.8849

■ 2.9366, 4.5173,
0.0000

■ 191.0657,
221.9485, 108.6477

■ 1.1203, 1.9669,
0.0000

232.9540,

■ 0.0420, 0.5881,

268.9253, 139.2620

0.0000

280.5564,
322.1029, 175.1465

■ 0.0000, 0.0000,
0.0000

■ 39.2733, 48.7775,
12.1956

■ 39.2733, 48.7775,
12.1956

■ 38.3630, 48.3629,
9.7559

■ 40.3842, 49.2766,
15.6487

■ 37.6289, 48.0178,
8.2164

■ 41.7103, 49.8607,
20.2066

■ 37.0437, 47.7330,
7.4276

■ 43.2686, 50.5384,
25.9538

■ 36.8817, 47.6532,
7.2541

■ 45.0734, 51.3155,
32.9658

■ 47.1380, 52.1973,
41.3121

■ 49.4745, 53.1885,
51.0568

■ 52.0945, 54.2939,
62.2601

■ 55.0087, 55.5177,
74.9786

■ 58.2272, 56.8641,
89.2658

Harmonies

Analogous

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



50.7978, 48.7775, 11.3027



39.2733, 48.7775, 12.1956



31.1518, 48.7775, 20.7931

Triad

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



39.2733, 48.7775, 12.1956



32.9731, 48.7775, 119.4830



72.5876, 48.7775, 66.4077

Complementary

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



39.2733, 48.7775, 12.1956



14.6332, 9.1408, 52.0350

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.



65.8571, 48.7775, 108.3917



39.2733, 48.7775, 12.1956



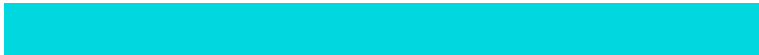
42.1914, 48.7775, 146.6623

Square

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



39.2733, 48.7775, 12.1956



27.9668, 48.7775, 77.5555



54.2551, 48.7775, 141.9086



71.4441, 48.7775, 34.4314

Rectangle

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



39.2733, 48.7775, 12.1956



28.1349, 48.7775, 33.0647



54.2551, 48.7775, 141.9086



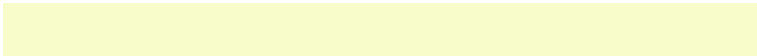
71.1310, 48.7775, 79.9601

Sweetspot

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



39.2744, 48.7797, 12.1966



84.1065, 94.0129, 69.5657



25.8292, 17.1486, 6.7998



18.1829, 20.4873, 14.2809



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.



39.2744, 48.7797, 12.1966



68.8969, 87.3353, 16.2995



27.4215, 42.6693, 11.6419



10.8109, 11.7055, 10.7515



24.2867, 31.3491, 4.7709



1.0786, 1.3696, 0.2075

Inverse Universe

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



14.6332, 9.1408, 52.0350



21.3799, 10.7082, 93.4098



22.7280, 13.3138, 52.4138



9.6197, 9.7951, 12.6685



6.6171, 2.6717, 33.7235



0.3181, 0.1320, 1.4586

Previews

White Background



This preview shows how the XYZ color 39.2733, 48.7775, 12.1956 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 39.2733, 48.7775, 12.1956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

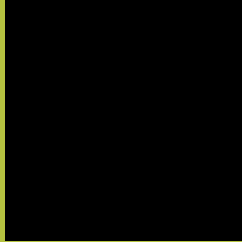
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.2733, 48.7775, 12.1956

Background



This preview shows how black text looks on a background with the XYZ color 39.2733, 48.7775, 12.1956.



This preview shows how white text looks on a background with the XYZ color 39.2733, 48.7775,

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

39.2733, 48.7775, 12.1956

Protanopia

44.1605, 48.7310, 11.6359

Deuteranopia

49.5858, 48.4818, 12.5388



Tritanopia

48.7358, 48.5026, 59.0178

Trichromacy



Original Color

39.2733, 48.7775, 12.1956

Protanomaly

42.3835, 48.7598, 11.8804

Deuteranomaly

45.4174, 48.4305, 12.4231

Tritanomaly

43.8905, 48.0747, 34.9831

Monochromacy



Original Color

39.2733, 48.7775, 12.1956

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.2326, 44.5523, 29.4533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2733, 48.7775, 12.1956 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(181, 194, 64)` looks like.

```
.text, #text, p{  
    color:rgb(181, 194, 64)  
}
```

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(181, 194, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 194, 64) }
```

Border

The CSS property to change the border of an element to XYZ 39.2733, 48.7775, 12.1956 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(181, 194, 64) }
```


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

```
.border{ border-color:rgb(181, 194, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 194, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 194, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 194, 64);  
box-shadow:4px 4px 4px 4px rgb(181, 194,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2733, 48.7775, 12.1956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 194, 64) }
```

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

```
.background{ background-color: rgb(181,  
194, 64) }
```

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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