

Converting Colors

XYZ(12.4287, 5.2111, 60.7373)

Have a look what the booklet for
XYZ(12.4287, 5.2111, 60.7373)
contains.

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Color

**XYZ(12.3948, 5.1892,
60.6699)**

Conversions

Conversions Part 1

Format	Color
Hex	2608D1
RGB	38, 8, 209
RGB Percent	15%, 3%, 82%
CMY	0.8509, 0.9687, 0.1804
CMYK	0.82, 0.96, 0.00, 0.18
HSL	249°, 93%, 43%
HSV	249°, 96%, 82%
XYZ	12.3948, 5.1892, 60.6699
YIQ	39.8840, -46.6410, 68.8710

Conversions

Conversions Part 2

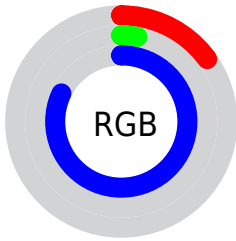
Format	Color
RYB	38, 8, 209
Decimal	2492625
CIELab	27.27, 67.06, -89.98
CIELCh	27, 112.217, 306.696
Yxy	5.1892, 0.1584, 0.0663
Android (android.graphics.Color)	4280682705 (0xFF2608D1)
YUV	39.8840, 83.3742, -1.6523
Hunter-Lab	22.7798, 57.2595, -141.9623

Details

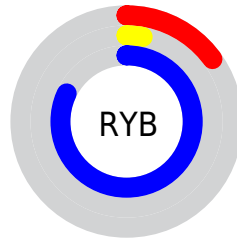
The XYZ color **12.3948, 5.1892, 60.6699** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **41.4275, 55.1986, 8.7002**, and the grayscale version is **1.9377, 2.0386, 2.2201**.

A 20% lighter version of the original color is **27.6493, 15.3278, 96.1090**, and **5.7498, 2.2999, 30.2779** is the 20% darker color. If you saturate the color by 10%, you get **12.0805, 4.8983, 60.6305**, and if you desaturate by 10%, it is **13.5646, 6.3114, 60.8251**.

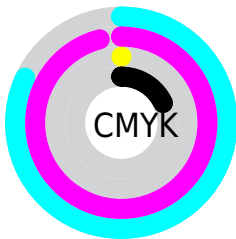
Distribution



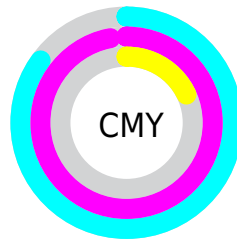
- Red (15%)
- Green (3%)
- Blue (82%)



- Red (15%)
- Yellow (3%)
- Blue (82%)



- Cyan (82%)
- Magenta (96%)
- Yellow (0%)
- Black (18%)



- Cyan (85%)
- Magenta (97%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3948, 5.1892, 60.6699 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 12.3948, 5.1892, 60.6699 by changing the saturation by 10% instead.

■ 12.3948, 5.1892,
60.6699

■ 12.3948, 5.1892,
60.6699

200.7187,
151.6335, 444.9356

■ 7.0873, 2.3587,
43.5300

■ 29.8228, 16.2241,
107.3537

■ 3.5635, 0.8045,
29.9667

■ 42.6740, 25.1973,
137.7347

■ 1.4583, 0.0000,
19.5615

■ 58.7704, 36.9868,
173.3664

■ 0.2972, 0.0000,
11.8958

■ 78.4774, 51.9771,
214.6675

■ 0.0000, 0.0000,
6.5511

■ 102.1604, 70.5525,
262.0564


■ 0.0000, 0.0000,
3.1088


■ 130.1847, 93.0974,

■ 0.0000, 0.0000,

315.9517

1.1505

 162.9157,
119.9963, 376.7719

 0.0000, 0.0000,
0.0000


 12.3948, 5.1892,
60.6699


 12.3948, 5.1892,
60.6699


 12.0805, 4.8983,
60.6305

 13.5646, 6.3114,
60.8251

 15.4313, 8.3053,
61.1115

 18.0909, 11.3120,
61.5517

 21.6223, 15.4454,
62.1634

 26.0948, 20.8040,
62.9620

■ 31.5702, 27.4752,
63.9611

■ 38.1054, 35.5387,
65.1731

■ 45.7525, 45.0676,
66.6093

■ 54.5606, 56.1298,
68.2803

Harmonies

Analogous

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



6.0449, 5.1892, 87.6522



12.3948, 5.1892, 60.6699



18.4603, 5.1892, 22.9315

Triad

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



12.3948, 5.1892, 60.6699



9.3594, 5.1892, 0.0000



0.1484, 5.1892, 9.1753

Complementary

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



12.3948, 5.1892, 60.6699



41.4275, 55.1986, 8.7002

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.



0.3532, 5.1892, 0.1830



12.3948, 5.1892, 60.6699



3.9652, 5.1892, 0.0000

Square

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



12.3948, 5.1892, 60.6699



16.0691, 5.1892, 0.0000



1.2956, 5.1892, 0.0000



0.6726, 5.1892, 38.6880

Rectangle

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



12.3948, 5.1892, 60.6699



20.2293, 5.1892, 7.2508



1.2956, 5.1892, 0.0000



0.1343, 5.1892, 4.3043

Sweetspot

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



12.3953, 5.1892, 60.6701



56.3471, 51.5074, 101.5798



28.3772, 38.1922, 66.1980



11.1192, 9.8635, 21.5678



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.



12.3953, 5.1892, 60.6701



18.8529, 7.6339, 95.0876



21.6345, 9.9522, 61.1025



11.3257, 11.5012, 14.8667



7.5003, 3.0469, 37.3853



0.4731, 0.1980, 2.0929

Inverse Universe

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



34.5148, 16.9821, 44.0901



53.7518, 26.2647, 67.8163



26.2971, 47.3986, 7.9922



12.2317, 11.9774, 14.4960



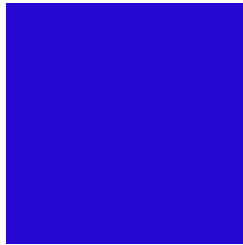
21.1822, 10.3457, 26.9292



1.2055, 0.5869, 1.6170

Previews

White Background



This preview shows how the XYZ color 12.3948, 5.1892, 60.6699 looks on a white background.

Color Contrast Check

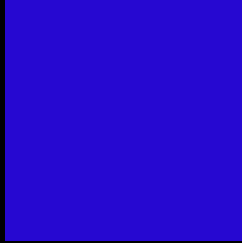
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 12.3948, 5.1892, 60.6699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

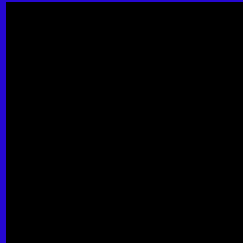
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3948, 5.1892, 60.6699

Background



This preview shows how black text looks on a background with the XYZ color 12.3948, 5.1892, 60.6699.



This preview shows how white text looks on a background with the XYZ color 12.3948, 5.1892,

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

12.3948, 5.1892, 60.6699

Protanopia

6.0111, 5.2485, 22.8865

Deuteranopia

4.9918, 5.3041, 16.0899



Tritanopia

3.6871, 5.2869, 7.6636

Trichromacy



Original Color

12.3948, 5.1892, 60.6699

Protanomaly

7.4780, 4.3943, 34.1723

Deuteranomaly

6.4246, 4.1539, 28.0669

Tritanomaly

4.9175, 3.7452, 19.5325

Monochromacy



Original Color

12.3948, 5.1892, 60.6699

Achromatopsia

2.0169, 2.1219, 2.3108

Achromatomaly

3.6009, 2.2014, 12.5470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3948, 5.1892, 60.6699 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(38, 8, 209)` looks like.

```
.text, #text, p{  
    color:rgb(38, 8, 209)  
}
```

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(38, 8, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 8, 209) }
```

Border

The CSS property to change the border of an element to XYZ 12.3948, 5.1892, 60.6699 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(38, 8, 209) }
```


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

```
.border{ border-color:rgb(38, 8, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 8, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 8, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 8, 209);  
box-shadow:4px 4px 4px 4px rgb(38, 8, 209)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.3948, 5.1892, 60.6699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 8, 209) }
```

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

```
.background{ background-color: rgb(38, 8,  
209) }
```

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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