

Converting Colors

XYZ(12.2442, 10.8729, 45.7161)

Have a look what the booklet for
XYZ(12.2442, 10.8729, 45.7161)
contains.

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Color

**XYZ(12.2597, 10.8983,
45.7134)**

Conversions

Conversions Part 1

Format	Color
Hex	065BB6
RGB	6, 91, 182
RGB Percent	2%, 36%, 71%
CMY	0.9763, 0.6431, 0.2863
CMYK	0.97, 0.50, 0.00, 0.29
HSL	211°, 94%, 37%
HSV	211°, 97%, 71%
XYZ	12.2597, 10.8983, 45.7134
YIQ	75.9590, -79.8710, 10.2810

Conversions

Conversions Part 2

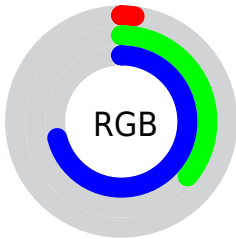
Format	Color
R _Y B	6, 63, 182
Decimal	416694
CIE Lab	39.41, 13.80, -54.23
CIE LCh	39, 55.954, 284.277
Yxy	10.8983, 0.1780, 0.1582
Android (android.graphics.Color)	4278606774 (0xFF065BB6)
YUV	75.9590, 52.2782, -61.3540
Hunter-Lab	33.0126, 8.5166, -58.9917

Details

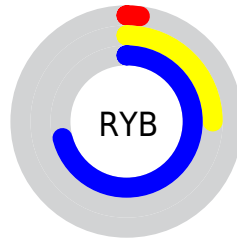
The XYZ color **12.2597, 10.8983, 45.7134** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **23.6027, 18.5145, 2.5030**, and the grayscale version is **6.7821, 7.1353, 7.7703**.

A 20% lighter version of the original color is **29.5742, 27.3678, 85.3852**, and **4.9128, 3.5915, 20.8564** is the 20% darker color. If you saturate the color by 10%, you get **11.9233, 10.3370, 45.6231**, and if you desaturate by 10%, it is **13.4227, 12.7682, 46.0133**.

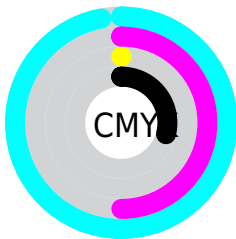
Distribution



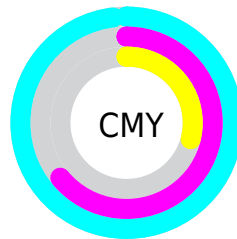
- Red (2%)
- Green (36%)
- Blue (71%)



- Red (2%)
- Yellow (25%)
- Blue (71%)



- Cyan (97%)
- Magenta (50%)
- Yellow (0%)
- Black (29%)



- Cyan (98%)
- Magenta (64%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2597, 10.8983, 45.7134 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 12.2597, 10.8983, 45.7134 by changing the saturation by 10% instead.

■ 12.2597, 10.8983,
45.7134

■ 12.2597, 10.8983,
45.7134

■ 199.8521,
196.9685, 385.8993

■ 6.9943, 5.9985,
31.6727

■ 29.5800, 27.4720,
85.1197

■ 3.5048, 2.8442,
20.8489

■ 42.3655, 39.9146,
111.3223

■ 1.4260, 1.0509,
12.8234

■ 58.3885, 55.6403,
142.4160

■ 0.2746, 0.0000,
7.1778

■ 78.0143, 75.0334,
178.8193

■ 0.0000, 0.0000,
3.4934

■ 101.6081, 98.4784,
220.9507

■ 0.0000, 0.0000,
1.3518

■ 129.5355,

■ 0.0000, 0.0000,

126.3597, 269.2289

0.1036

162.1617,
159.0616, 324.0722

■ 0.0000, 0.0000,
0.0000

■ 12.2597, 10.8983,
45.7134

■ 12.2597, 10.8983,
45.7134

■ 11.9233, 10.3370,
45.6231

■ 13.4227, 12.7682,
46.0133

■ 14.9734, 14.9930,
46.3610

■ 16.9708, 17.6081,
46.7605

■ 19.4585, 20.6409,
47.2148

■ 22.4745, 24.1153,
47.7264

■ 26.0524, 28.0533,
48.2980

■ 30.2231, 32.4748,
48.9316

■ 35.0150, 37.3986,
49.6294

■ 40.4544, 42.8423,
50.3935

Harmonies

Analogous

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



8.5082, 10.8983, 45.3796



12.2597, 10.8983, 45.7134



16.3179, 10.8983, 33.9306

Triad

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



12.2597, 10.8983, 45.7134



16.4944, 10.8983, 2.4507



4.8120, 10.8983, 7.0655

Complementary

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



12.2597, 10.8983, 45.7134



23.6027, 18.5145, 2.5030

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.



6.0618, 10.8983, 2.3230



12.2597, 10.8983, 45.7134



12.4593, 10.8983, 0.9849

Square

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



12.2597, 10.8983, 45.7134



19.1374, 10.8983, 7.4313



8.6648, 10.8983, 0.9592



4.7836, 10.8983, 17.7870

Rectangle

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



12.2597, 10.8983, 45.7134



18.3994, 10.8983, 23.4116



8.6648, 10.8983, 0.9592



5.0865, 10.8983, 4.9223

Sweetspot

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



12.2602, 10.8986, 45.7137



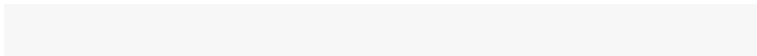
52.5597, 56.5354, 88.3779



18.9590, 34.3572, 16.9297



10.8973, 11.7327, 19.4119



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



12.2602, 10.8986, 45.7137



21.3827, 18.2726, 82.6357



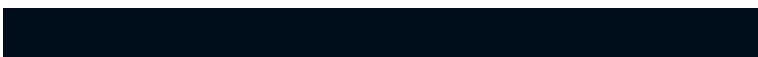
8.6213, 3.5663, 44.4902



8.8693, 9.4159, 11.4294



8.4860, 7.4318, 32.2403



0.3612, 0.3860, 1.1572

Inverse Universe

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



21.2454, 10.8315, 10.8685



38.0414, 19.2569, 17.7834



35.3672, 43.0611, 6.6209



9.1804, 9.0825, 10.2973



14.8970, 7.5326, 7.3446



0.5565, 0.2781, 0.4238

Previews

White Background



This preview shows how the XYZ color 12.2597, 10.8983, 45.7134 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 × Fail

Black Background



This preview shows how the XYZ color 12.2597, 10.8983, 45.7134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

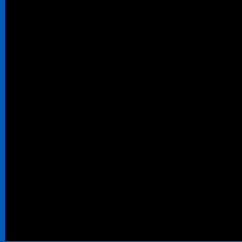
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2597, 10.8983, 45.7134

Background



This preview shows how black text looks on a background with the XYZ color 12.2597, 10.8983, 45.7134.



This preview shows how white text looks on a background with the XYZ color 12.2597, 10.8983,

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

12.2597, 10.8983, 45.7134

Protanopia

12.6937, 11.0197, 44.6380

Deuteranopia

10.8837, 10.9010, 37.1278



Tritanopia

7.6647, 10.8263, 16.4376

Trichromacy



Original Color

12.2597, 10.8983, 45.7134

Protanomaly

12.4227, 10.8681, 45.1591

Deuteranomaly

11.3784, 10.9586, 40.0436

Tritanomaly

8.9308, 10.7142, 24.8899

Monochromacy



Original Color

12.2597, 10.8983, 45.7134

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

7.4022, 7.8265, 17.3402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2597, 10.8983, 45.7134 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(6, 91, 182)` looks like.

```
.text, #text, p{  
    color:rgb(6, 91, 182)  
}
```

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(6, 91, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 91, 182) }
```

Border

The CSS property to change the border of an element to XYZ 12.2597, 10.8983, 45.7134 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(6, 91, 182) }
```


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

```
.border{ border-color:rgb(6, 91, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 91, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 91, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 91, 182);  
box-shadow:4px 4px 4px 4px rgb(6, 91, 182)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2597, 10.8983, 45.7134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 91, 182) }
```

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

```
.background{ background-color: rgb(6, 91,  
182) }
```

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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