

Converting Colors

XYZ(11.6396, 6.2359, 61.4326)

Have a look what the booklet for
XYZ(11.6396, 6.2359, 61.4326)
contains.

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Color

**XYZ(12.6898, 6.7670,
61.6101)**

Conversions

Conversions Part 1

Format	Color
Hex	0030D2
RGB	0, 48, 210
RGB Percent	0%, 19%, 82%
CMY	0.9998, 0.8118, 0.1765
CMYK	1.00, 0.77, 0.00, 0.18
HSL	226°, 100%, 41%
HSV	226°, 100%, 82%
XYZ	12.6898, 6.7670, 61.6101
YIQ	52.1160, -80.6100, 40.2060

Conversions

Conversions Part 2

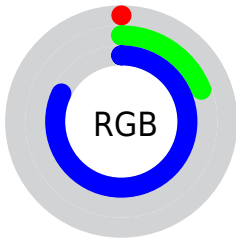
Format	Color
R_{YB}	0, 39, 210
Decimal	12498
CIE _{Lab}	31.27, 51.80, -83.92
CIE _{LCh}	31, 98.619, 301.684
Yxy	6.7670, 0.1565, 0.0835
Android (android.graphics.Color)	4278202578 (0xFF0030D2)
YUV	52.1160, 77.8368, -45.7057
Hunter-Lab	26.0135, 41.5517, -122.2126

Details

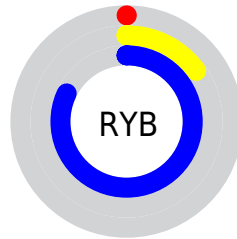
The XYZ color **12.6898, 6.7670, 61.6101** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **39.5088, 39.5619, 5.5553**, and the grayscale version is **3.1971, 3.3636, 3.6630**.

A 20% lighter version of the original color is **28.0586, 18.5890, 96.7169**, and **5.8762, 2.4199, 30.7292** is the 20% darker color. If you saturate the color by 10%, you get **12.6881, 6.7635, 61.6098**, and if you desaturate by 10%, it is **13.7879, 8.5026, 61.8875**.

Distribution



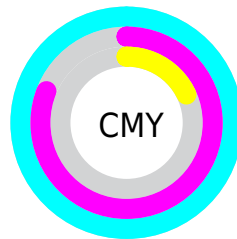
- Red (0%)
- Green (19%)
- Blue (82%)



- Red (0%)
- Yellow (15%)
- Blue (82%)



- Cyan (100%)
- Magenta (77%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (81%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6898, 6.7670, 61.6101 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 12.6898, 6.7670, 61.6101 by changing the saturation by 10% instead.

■ 12.6898, 6.7670,
61.6101

■ 12.6898, 6.7670,
61.6101

202.5980,
165.7134, 448.4758

■ 7.2908, 3.3168,
44.2840

■ 30.3514, 19.5029,
108.7279

■ 3.6926, 1.2993,
30.5550

■ 43.3448, 29.5574,
139.3567

■ 1.5297, 0.1407,
20.0046

■ 59.6003, 42.5822,
175.2568

■ 0.3459, 0.0000,
12.2143

■ 79.4834, 58.9616,
216.8468

■ 0.0000, 0.0000,
6.7655

■ 103.3593, 79.0800,
264.5451

■ 0.0000, 0.0000,
3.2397

■ 131.5935,

■ 0.0000, 0.0000,

103.3219, 318.7703

1.2183

164.5513,
132.0715, 379.9411

■ 0.0000, 0.0000,
0.0000

■ 12.6898, 6.7670,
61.6101

■ 12.6898, 6.7670,
61.6101

■ 12.6881, 6.7635,
61.6098

■ 13.7879, 8.5026,
61.8875

■ 15.4882, 10.9432,
62.2690

■ 17.9247, 14.1889,
62.7670

■ 21.1779, 18.3090,
63.3908

■ 25.3172, 23.3647,
64.1485

■ 30.4040, 29.4114,
65.0475

■ 36.4942, 36.4999,
66.0948

■ 43.6392, 44.6776,
67.2966

■ 51.8869, 53.9887,
68.6591

Harmonies

Analogous

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



6.7101, 6.7670, 79.4786



12.6898, 6.7670, 61.6101



18.6545, 6.7670, 28.7308

Triad

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



12.6898, 6.7670, 61.6101



11.9568, 6.7670, 0.0000



0.8846, 6.7670, 8.1822

Complementary

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



12.6898, 6.7670, 61.6101



39.5088, 39.5619, 5.5553

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.



1.2157, 6.7670, 0.4989



12.6898, 6.7670, 61.6101



6.1613, 6.7670, 0.0000

Square

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



12.6898, 6.7670, 61.6101



18.1021, 6.7670, 0.1480



2.6679, 6.7670, 0.0000



1.3084, 6.7670, 32.2363

Rectangle

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



12.6898, 6.7670, 61.6101



20.8054, 6.7670, 11.9534



2.6679, 6.7670, 0.0000



0.9100, 6.7670, 4.1370

Sweetspot

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



12.6903, 6.7671, 61.6103



56.2582, 56.2105, 102.4923



29.4814, 48.6673, 41.5637



11.1427, 10.9898, 21.7839



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.



12.6903, 6.7671, 61.6103



19.5748, 10.2697, 95.5583



13.2664, 5.4961, 61.3346



11.3796, 11.8495, 14.9311



7.8029, 4.2525, 37.6020



0.4979, 0.3610, 2.1230

Inverse Universe

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



27.1124, 13.9162, 4.0530



42.0097, 21.5679, 5.9830



36.3760, 52.9649, 8.3075



11.9177, 11.8518, 12.8427



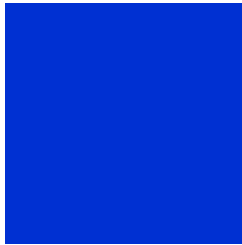
16.5693, 8.5006, 2.6381



0.9575, 0.4877, 0.3112

Previews

White Background



This preview shows how the XYZ color 12.6898, 6.7670, 61.6101 looks on a white background.

Color Contrast Check

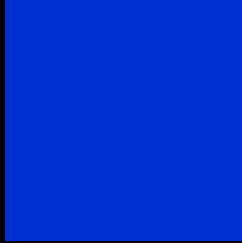
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6898, 6.7670, 61.6101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

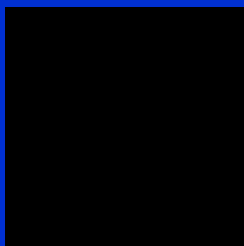
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6898, 6.7670, 61.6101

Background



This preview shows how black text looks on a background with the XYZ color 12.6898, 6.7670, 61.6101.



This preview shows how white text looks on a background with the XYZ color 12.6898, 6.7670,

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

12.6898, 6.7670, 61.6101

Protanopia

7.6781, 6.6764, 29.3178

Deuteranopia

6.4152, 6.7012, 21.0340



Tritanopia

4.6970, 6.7065, 9.8510

Trichromacy



Original Color

12.6898, 6.7670, 61.6101

Protanomaly

9.1282, 6.4953, 39.3007

Deuteranomaly

8.0340, 6.3308, 32.6968

Tritanomaly

6.2869, 6.0190, 22.3032

Monochromacy



Original Color

12.6898, 6.7670, 61.6101

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

4.5713, 3.7951, 14.9596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6898, 6.7670, 61.6101 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(0, 48, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 48, 210)  
}
```

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(0, 48, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 48, 210) }
```

Border

The CSS property to change the border of an element to XYZ 12.6898, 6.7670, 61.6101 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(0, 48, 210) }
```


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

```
.border{ border-color:rgb(0, 48, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 48, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 48, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 48, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 48, 210)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.6898, 6.7670, 61.6101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 48, 210) }
```

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

```
.background{ background-color: rgb(0, 48,  
210) }
```

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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