

Converting Colors

XYZ(8.0897, 8.4828, 40.4029)

Have a look what the booklet for
XYZ(8.0897, 8.4828, 40.4029)
contains.

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Color

**XYZ(10.9361, 9.9580,
40.3754)**

Conversions

Conversions Part 1

Format	Color
Hex	0058AC
RGB	0, 88, 172
RGB Percent	0%, 35%, 67%
CMY	0.9999, 0.6549, 0.3255
CMYK	1.00, 0.49, 0.00, 0.33
HSL	209°, 100%, 34%
HSV	209°, 100%, 67%
XYZ	10.9361, 9.9580, 40.3754
YIQ	71.2640, -79.4120, 7.4680

Conversions

Conversions Part 2

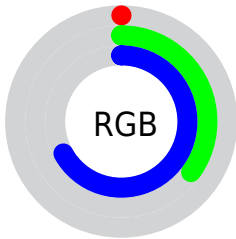
Format	Color
RYB	0, 58, 172
Decimal	22700
CIELab	37.77, 11.44, -50.98
CIELCh	38, 52.251, 282.642
Yxy	9.9580, 0.1785, 0.1625
Android (android.graphics.Color)	4278212780 (0xFF0058AC)
YUV	71.2640, 49.6628, -62.4985
Hunter-Lab	31.5563, 6.6371, -53.7705

Details

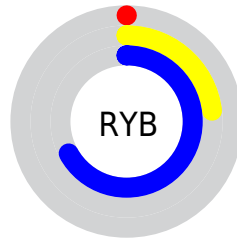
The XYZ color **10.9361, 9.9580, 40.3754** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **20.1862, 15.1161, 1.8546**, and the grayscale version is **5.9637, 6.2742, 6.8326**.

A 20% lighter version of the original color is **27.1657, 25.6664, 76.9211**, and **4.2305, 3.1333, 17.8346** is the 20% darker color. If you saturate the color by 10%, you get **10.9350, 9.9557, 40.3753**, and if you desaturate by 10%, it is **11.9014, 11.5391, 40.6300**.

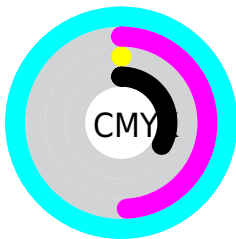
Distribution



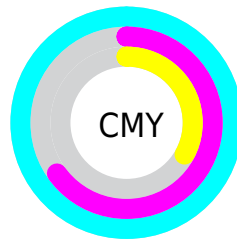
- Red (0%)
- Green (35%)
- Blue (67%)



- Red (0%)
- Yellow (23%)
- Blue (67%)



- Cyan (100%)
- Magenta (49%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (65%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9361, 9.9580, 40.3754 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 10.9361, 9.9580, 40.3754 by changing the saturation by 10% instead.

■ 10.9361, 9.9580,
40.3754

■ 10.9361, 9.9580,
40.3754

191.1460,
190.3720, 363.3023

■ 6.0909, 5.3711,
27.5153

■ 27.1759, 25.7165,
76.9782

■ 2.9416, 2.4666,
17.7248

■ 39.3013, 37.6569,
101.5579

■ 1.1229, 0.8598,
10.5852

■ 54.5840, 52.8172,
130.8814

■ 0.0442, 0.0000,
5.6780

■ 73.3894, 71.5819,
165.3670

■ 0.0000, 0.0000,
2.5847

■ 96.0830, 94.3353,
205.4334

■ 0.0000, 0.0000,
0.8845

■ 123.0301,

■ 0.0000, 0.0000,

121.4619, 251.4990

0.0000

154.5959,
153.3460, 303.9825

■ 10.9361, 9.9580,
40.3754

■ 10.9361, 9.9580,
40.3754

■ 10.9350, 9.9557,
40.3753

■ 11.9014, 11.5391,
40.6300

■ 13.1520, 13.3891,
40.9211

■ 14.7717, 15.5549,
41.2538

■ 16.7999, 18.0602,
41.6305

■ 19.2706, 20.9258,
42.0534

■ 22.2137, 24.1704,
42.5245

■ 25.6563, 27.8111,
43.0458

■ 29.6233, 31.8638,
43.6190

■ 34.1379, 36.3432,
44.2456

Harmonies

Analogous

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



7.6804, 9.9580, 39.4444



10.9361, 9.9580, 40.3754



14.4975, 9.9580, 30.6942

Triad

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



10.9361, 9.9580, 40.3754



14.9982, 9.9580, 2.5614



4.5751, 9.9580, 6.2409

Complementary

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



10.9361, 9.9580, 40.3754



20.1862, 15.1161, 1.8546

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.



5.7567, 9.9580, 2.1749



10.9361, 9.9580, 40.3754



11.5061, 9.9580, 1.0693

Square

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



10.9361, 9.9580, 40.3754



17.1864, 9.9580, 7.3047



8.1317, 9.9580, 0.9881



4.4916, 9.9580, 15.3704

Rectangle

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



10.9361, 9.9580, 40.3754



16.3651, 9.9580, 21.6391



8.1317, 9.9580, 0.9881



4.8416, 9.9580, 4.4110

Sweetspot

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



10.9366, 9.9583, 40.3757



46.1729, 50.0672, 78.0361



16.3201, 30.1323, 13.1698



9.4620, 10.2807, 16.8734



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



10.9366, 9.9583, 40.3757



19.6157, 17.6172, 73.1724



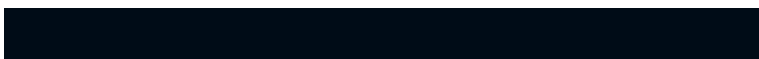
7.4783, 3.0416, 39.2229



7.9049, 8.4092, 10.1592



8.1925, 7.5189, 30.0640



0.2825, 0.3183, 0.8545

Inverse Universe

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



18.7752, 9.4759, 10.0721



33.9470, 17.1443, 17.6764



31.2265, 37.1967, 5.5347



8.1698, 8.0812, 9.2050



13.9989, 7.0621, 7.6394



0.4170, 0.2075, 0.3576

Previews

White Background



This preview shows how the XYZ color 10.9361, 9.9580, 40.3754 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 10.9361, 9.9580, 40.3754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

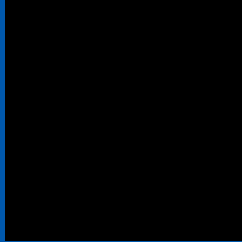
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.9361, 9.9580, 40.3754

Background



This preview shows how black text looks on a background with the XYZ color 10.9361, 9.9580, 40.3754.



This preview shows how white text looks on a background with the XYZ color 10.9361, 9.9580,

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

10.9361, 9.9580, 40.3754

Protanopia

11.4979, 10.0293, 39.3600

Deuteranopia

9.9991, 9.9854, 34.2012



Tritanopia

7.0116, 9.9436, 14.9144

Trichromacy



Original Color

10.9361, 9.9580, 40.3754

Protanomaly

11.1849, 9.9763, 39.8642

Deuteranomaly

10.3570, 9.9927, 36.5049

Tritanomaly

8.0547, 9.7694, 22.2300

Monochromacy



Original Color

10.9361, 9.9580, 40.3754

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

6.4428, 6.9484, 15.1889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9361, 9.9580, 40.3754 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, 88, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 88, 172)  
}
```

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, 88, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 88, 172) }
```

Border

The CSS property to change the border of an element to XYZ 10.9361, 9.9580, 40.3754 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, 88, 172) }
```


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

```
.border{ border-color:rgb(0, 88, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 88, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 88, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 88, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 88, 172)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.9361, 9.9580, 40.3754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 88, 172) }
```

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

```
.background{ background-color: rgb(0, 88,  
172) }
```

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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