

Converting Colors

XYZ(12.9085, 11.2013, 53.1893)

Have a look what the booklet for
XYZ(12.9085, 11.2013, 53.1893)
contains.

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Color

**XYZ(13.6775, 11.5944,
53.1468)**

Conversions

Conversions Part 1

Format	Color
Hex	005CC3
RGB	0, 92, 195
RGB Percent	0%, 36%, 76%
CMY	0.9998, 0.6392, 0.2353
CMYK	1.00, 0.53, 0.00, 0.24
HSL	212°, 100%, 38%
HSV	212°, 100%, 76%
XYZ	13.6775, 11.5944, 53.1468
YIQ	76.2340, -87.8950, 12.5290

Conversions

Conversions Part 2

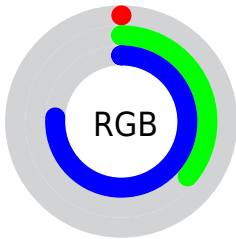
Format	Color
R _Y B	0, 63, 195
Decimal	23747
CIE Lab	40.56, 18.20, -59.95
CIE LCh	41, 62.650, 286.892
Yxy	11.5944, 0.1744, 0.1479
Android (android.graphics.Color)	4278213827 (0xFF005CC3)
YUV	76.2340, 58.5516, -66.8572
Hunter-Lab	34.0506, 12.1118, -68.7057

Details

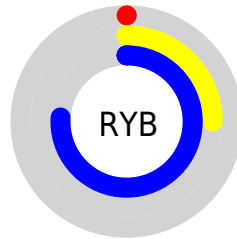
The XYZ color **13.6775, 11.5944, 53.1468** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed blue. A complement of this color would be **27.3610, 21.3121, 2.6729**, and the grayscale version is **6.8226, 7.1779, 7.8167**.

A 20% lighter version of the original color is **32.0253, 28.6194, 95.9316**, and **5.7906, 4.0074, 25.2792** is the 20% darker color. If you saturate the color by 10%, you get **13.6754, 11.5902, 53.1464**, and if you desaturate by 10%, it is **14.9109, 13.6464, 53.4782**.

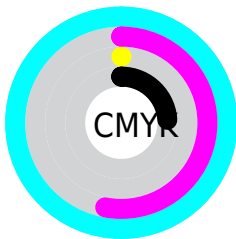
Distribution



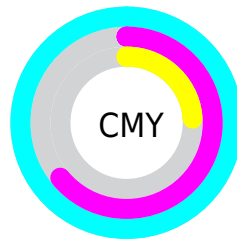
- Red (0%)
- Green (36%)
- Blue (76%)



- Red (0%)
- Yellow (25%)
- Blue (76%)



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (64%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6775, 11.5944, 53.1468 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 13.6775, 11.5944, 53.1468 by changing the saturation by 10% instead.

■ 13.6775, 11.5944,
53.1468

■ 13.6775, 11.5944,
53.1468

208.7662,
201.7013, 415.9303

■ 7.9769, 6.4681,
37.5314

■ 32.1068, 28.7542,
96.2641

■ 4.1319, 3.1318,
25.3202

■ 45.5661, 41.5565,
124.6031

■ 1.7770, 1.2009,
16.0946

■ 62.3425, 57.6863,
158.0204

■ 0.5038, 0.0624,
9.4360

■ 82.8012, 77.5280,
196.9345

■ 0.0000, 0.0000,
4.9260

■ 107.3075,
101.4659, 241.7641

■ 0.0000, 0.0000,
2.1459

■ 136.2269,

■ 0.0000, 0.0000,

129.8845, 292.9275

0.6429

169.9247,
163.1682, 350.8434

■ 0.0000, 0.0000,
0.0000

■ 13.6775, 11.5944,
53.1468

■ 13.6775, 11.5944,
53.1468

■ 13.6754, 11.5902,
53.1464

■ 14.9109, 13.6464,
53.4782

■ 16.5500, 16.0946,
53.8643

■ 18.6987, 18.9991,
54.3117

■ 21.4123, 22.3944,
54.8240

■ 24.7381, 26.3107,
55.4047

■ 28.7178, 30.7754,
56.0567

■ 33.3892, 35.8132,
56.7829

■ 38.7870, 41.4473,
57.5859

■ 44.9434, 47.6993,
58.4682

Harmonies

Analogous

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



9.2036, 11.5944, 54.2383



13.6775, 11.5944, 53.1468



18.4586, 11.5944, 37.6181

Triad

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



13.6775, 11.5944, 53.1468



17.9048, 11.5944, 1.8901



4.6441, 11.5944, 7.8714

Complementary

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



13.6775, 11.5944, 53.1468



27.3610, 21.3121, 2.6729

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.



5.9087, 11.5944, 2.2289



13.6775, 11.5944, 53.1468



13.0612, 11.5944, 0.6236

Square

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



13.6775, 11.5944, 53.1468



21.3114, 11.5944, 6.7923



8.7314, 11.5944, 0.6985



4.7262, 11.5944, 21.0956

Rectangle

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



13.6775, 11.5944, 53.1468



20.8261, 11.5944, 24.7828



8.7314, 11.5944, 0.6985



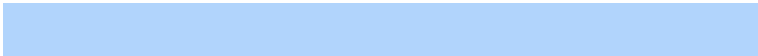
4.9077, 11.5944, 5.2808

Sweetspot

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



13.6781, 11.5947, 53.1471



59.3615, 63.6761, 101.6318



21.8536, 39.9659, 18.8159



12.1835, 13.0715, 22.1309



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.



13.6781, 11.5947, 53.1471



24.2475, 20.2677, 95.1039



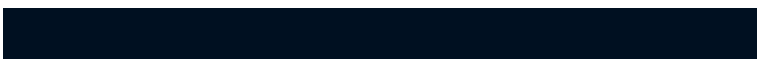
9.8921, 3.9624, 51.8735



9.9113, 10.5139, 12.7918



8.9710, 7.6986, 34.5698



0.4566, 0.4705, 1.5166

Inverse Universe

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



24.4381, 12.3759, 11.2259



43.6422, 22.1132, 19.4436



41.1908, 50.2046, 7.5208



10.2665, 10.1552, 11.4940



15.9241, 8.0594, 7.5126



0.7228, 0.3621, 0.5079

Previews

White Background



This preview shows how the XYZ color 13.6775, 11.5944, 53.1468 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 13.6775, 11.5944, 53.1468 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 13.6775, 11.5944, 53.1468

Background



This preview shows how black text looks on a background with the XYZ color 13.6775, 11.5944, 53.1468.



This preview shows how white text looks on a background with the XYZ color 13.6775, 11.5944,

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

13.6775, 11.5944, 53.1468

Protanopia

13.8435, 11.6800, 53.1546

Deuteranopia

11.5291, 11.5999, 39.1675



Tritanopia

8.1347, 11.5003, 17.4138

Trichromacy



Original Color

13.6775, 11.5944, 53.1468

Protanomaly

13.7776, 11.6460, 53.1515

Deuteranomaly

12.2188, 11.5801, 43.7107

Tritanomaly

9.6116, 11.2905, 27.6593

Monochromacy



Original Color

13.6775, 11.5944, 53.1468

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

7.5660, 7.9949, 18.5972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6775, 11.5944, 53.1468 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, 92, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 92, 195)  
}
```

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, 92, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 92, 195) }
```

Border

The CSS property to change the border of an element to XYZ 13.6775, 11.5944, 53.1468 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, 92, 195) }
```


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

```
.border{ border-color:rgb(0, 92, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 92, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 92, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 92, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 92, 195)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6775, 11.5944, 53.1468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 92, 195) }
```

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

```
.background{ background-color: rgb(0, 92,  
195) }
```

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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