

Converting Colors

XYZ(13.5924, 11.8775, 56.0645)

Have a look what the booklet for
XYZ(13.5924, 11.8775, 56.0645)
contains.

XYZ(14.5175, 12.3545, 56.2631)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.5175, 12.3545,
56.2631)**

Conversions

Conversions Part 1

Format	Color
Hex	005FC8
RGB	0, 95, 200
RGB Percent	0%, 37%, 78%
CMY	0.9998, 0.6275, 0.2157
CMYK	1.00, 0.53, 0.00, 0.22
HSL	212°, 100%, 39%
HSV	212°, 100%, 78%
XYZ	14.5175, 12.3545, 56.2631
YIQ	78.5650, -90.3250, 12.5150

Conversions

Conversions Part 2

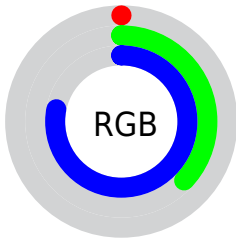
Format	Color
RYB	0, 64, 200
Decimal	24520
CIELab	41.77, 18.25, -60.88
CIELCh	42, 63.556, 286.684
Yxy	12.3545, 0.1746, 0.1486
Android (android.graphics.Color)	4278214600 (0xFF005FC8)
YUV	78.5650, 59.8675, -68.9015
Hunter-Lab	35.1490, 12.2148, -70.3015

Details

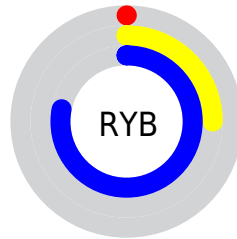
The XYZ color **14.5175, 12.3545, 56.2631** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed blue. A complement of this color would be **28.8758, 22.3915, 2.8013**, and the grayscale version is **7.2533, 7.6310, 8.3102**.

A 20% lighter version of the original color is **33.2124, 30.0675, 98.6609**, and **6.2514, 4.3255, 27.2935** is the 20% darker color. If you saturate the color by 10%, you get **14.5156, 12.3505, 56.2628**, and if you desaturate by 10%, it is **15.8176, 14.5251, 56.6139**.

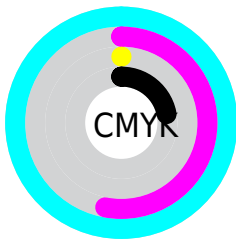
Distribution



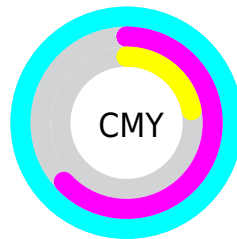
- Red (0%)
- Green (37%)
- Blue (78%)



- Red (0%)
- Yellow (25%)
- Blue (78%)



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (63%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5175, 12.3545, 56.2631 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 14.5175, 12.3545, 56.2631 by changing the saturation by 10% instead.

■ 14.5175, 12.3545,
56.2631

■ 14.5175, 12.3545,
56.2631

213.8737,
206.7382, 428.0984

■ 8.5656, 6.9856,
40.0085

■ 33.5831, 30.1391,
100.8788

■ 4.5137, 3.4531,
27.2313

■ 47.4275, 43.3236,
130.0769

■ 1.9967, 1.3726,
17.5131

■ 64.6335, 59.8821,
164.4267

■ 0.6321, 0.1964,
10.4352

■ 85.5663, 80.1990,
204.3466

■ 0.0000, 0.0000,
5.5791

■ 110.5914,
104.6587, 250.2552

■ 0.0000, 0.0000,
2.5262

■ 140.0741,

■ 0.0000, 0.0000,

133.6455, 302.5710

0.8540

174.3797,
167.5439, 361.7125

■ 0.0000, 0.0000,
0.0000

■ 14.5175, 12.3545,
56.2631

■ 14.5175, 12.3545,
56.2631

■ 14.5156, 12.3505,
56.2628

■ 15.8176, 14.5251,
56.6139

■ 17.5480, 17.1139,
57.0224

■ 19.8173, 20.1838,
57.4953

■ 22.6842, 23.7714,
58.0367

■ 26.1991, 27.9088,
58.6500

■ 30.4063, 32.6247,
59.3385

■ 35.3459, 37.9455,
60.1052

■ 41.0550, 43.8957,
60.9528

■ 47.5676, 50.4982,
61.8840

Harmonies

Analogous

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



9.7911, 12.3545, 57.2860



14.5175, 12.3545, 56.2631



19.5740, 12.3545, 39.9764

Triad

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



14.5175, 12.3545, 56.2631



19.0534, 12.3545, 2.0688



4.9865, 12.3545, 8.3502

Complementary

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



14.5175, 12.3545, 56.2631



28.8758, 22.3915, 2.8013

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.



6.3406, 12.3545, 2.3914



14.5175, 12.3545, 56.2631



13.9375, 12.3545, 0.7115

Square

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



14.5175, 12.3545, 56.2631



22.6320, 12.3545, 7.3311



9.3459, 12.3545, 0.7791



5.0642, 12.3545, 22.2810

Rectangle

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



14.5175, 12.3545, 56.2631



22.0855, 12.3545, 26.4339



9.3459, 12.3545, 0.7791



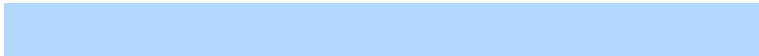
5.2700, 12.3545, 5.6175

Sweetspot

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



14.5181, 12.3548, 56.2635



60.7819, 65.2580, 104.0002



23.1209, 42.2955, 19.8706



12.1983, 13.1010, 22.1358



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.



14.5181, 12.3548, 56.2635



24.8990, 20.9181, 97.3330



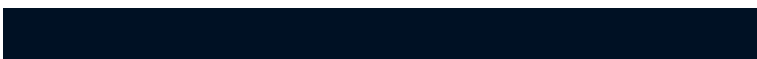
10.4681, 4.1929, 54.9015



10.4652, 11.1044, 13.5093



9.3179, 8.0297, 35.8031



0.5136, 0.5250, 1.7194

Inverse Universe

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



25.8856, 13.1066, 11.9919



44.6971, 22.6428, 20.1347



43.5937, 53.1344, 7.9596



10.8401, 10.7194, 12.1411



16.5026, 8.3506, 7.8564



0.8179, 0.4100, 0.5644

Previews

White Background



This preview shows how the XYZ color 14.5175, 12.3545, 56.2631 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 14.5175, 12.3545, 56.2631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

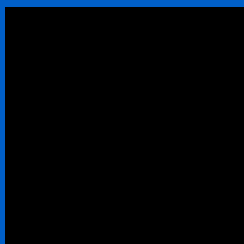
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

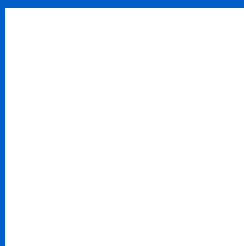
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.5175, 12.3545, 56.2631

Background



This preview shows how black text looks on a background with the XYZ color 14.5175, 12.3545, 56.2631.



This preview shows how white text looks on a background with the XYZ color 14.5175, 12.3545,

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

14.5175, 12.3545, 56.2631

Protanopia

14.7861, 12.4930, 56.2757

Deuteranopia

12.2937, 12.3634, 41.7828



Tritanopia

8.6210, 12.1982, 18.4231

Trichromacy



Original Color

14.5175, 12.3545, 56.2631

Protanomaly

14.6692, 12.4327, 56.2702

Deuteranomaly

13.0091, 12.3426, 46.4964

Tritanomaly

10.2168, 12.0072, 29.3829

Monochromacy



Original Color

14.5175, 12.3545, 56.2631

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

8.1390, 8.6052, 19.9709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5175, 12.3545, 56.2631 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, 95, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 95, 200)  
}
```

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, 95, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 95, 200) }
```

Border

The CSS property to change the border of an element to XYZ 14.5175, 12.3545, 56.2631 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, 95, 200) }
```


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

```
.border{ border-color:rgb(0, 95, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 95, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 95, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 95, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 95, 200)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.5175, 12.3545, 56.2631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 95, 200) }
```

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

```
.background{ background-color: rgb(0, 95,  
200) }
```

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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