

Converting Colors

XYZ(16.0350, 15.3362, 55.5460)

Have a look what the booklet for
XYZ(16.0350, 15.3362, 55.5460)
contains.

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Color

**XYZ(16.0575, 15.3778,
55.5480)**

Conversions

Conversions Part 1

Format	Color
Hex	146EC6
RGB	20, 110, 198
RGB Percent	8%, 43%, 78%
CMY	0.9215, 0.5686, 0.2235
CMYK	0.90, 0.44, 0.00, 0.22
HSL	210°, 82%, 43%
HSV	210°, 90%, 78%
XYZ	16.0575, 15.3778, 55.5480
YIQ	93.1220, -81.8880, 8.2880

Conversions

Conversions Part 2

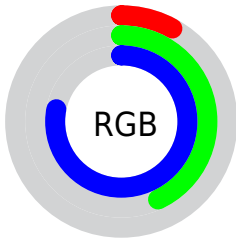
Format	Color
R_{YB}	20, 80, 198
Decimal	1339078
CIE _{Lab}	46.15, 8.53, -52.66
CIE _{LCh}	46, 53.344, 279.202
Yxy	15.3778, 0.1846, 0.1768
Android (android.graphics.Color)	4279529158 (0xFF146EC6)
YUV	93.1220, 51.7049, -64.1280
Hunter-Lab	39.2145, 4.4664, -56.5350

Details

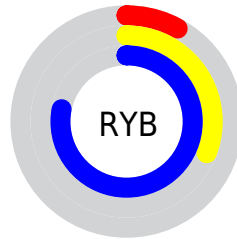
The XYZ color **16.0575, 15.3778, 55.5480** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **28.7810, 22.7876, 3.5447**, and the grayscale version is **10.3319, 10.8700, 11.8374**.

A 20% lighter version of the original color is **36.1617, 35.4764, 99.5495**, and **6.7354, 5.5382, 26.7006** is the 20% darker color. If you saturate the color by 10%, you get **14.7733, 13.2334, 55.2021**, and if you desaturate by 10%, it is **17.7529, 17.9076, 55.9473**.

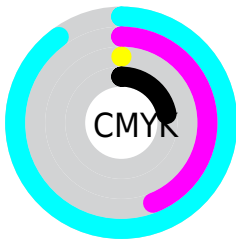
Distribution



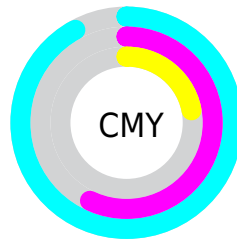
- Red (8%)
- Green (43%)
- Blue (78%)



- Red (8%)
- Yellow (31%)
- Blue (78%)



- Cyan (90%)
- Magenta (44%)
- Yellow (0%)
- Black (22%)



- Cyan (92%)
- Magenta (57%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0575, 15.3778, 55.5480 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 16.0575, 15.3778, 55.5480 by changing the saturation by 10% instead.

■ 16.0575, 15.3778,
55.5480

■ 16.0575, 15.3778,
55.5480

222.9445,
225.6417, 425.3262

■ 9.6560, 9.0850,
39.4391

■ 36.2546, 35.5146,
99.8226

■ 5.2320, 4.7966,
26.7910

■ 50.7809, 50.1274,
128.8253

■ 2.4201, 2.1284,
17.1853

■ 68.7462, 68.2822,
162.9631

■ 0.8552, 0.6806,
10.2033

■ 90.5158, 90.3635,
202.6544

■ 0.0000, 0.0000,
5.4266

■ 116.4551,
116.7558, 248.3179

■ 0.0000, 0.0000,
2.4366

146.9294,

■ 0.0000, 0.0000,

147.8433, 300.3720

0.8063

182.3041,
184.0104, 359.2352

■ 0.0000, 0.0000,
0.0000

■ 16.0575, 15.3778,
55.5480

■ 16.0575, 15.3778,
55.5480

■ 14.7733, 13.2334,
55.2021

■ 17.7529, 17.9076,
55.9473

■ 14.7596, 13.2103,
55.1984

■ 19.9613, 20.8805,
56.4047

■ 22.7399, 24.3310,
56.9243

■ 26.1368, 28.2890,
57.5092

■ 30.1947, 32.7811,
58.1624

■ 34.9521, 37.8317,
58.8866

■ 40.4444, 43.4636,
59.6841

■ 46.7042, 49.6978,
60.5575

■ 53.7623, 56.5543,
61.5090

Harmonies

Analogous

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



11.7298, 15.3778, 52.6898



16.0575, 15.3778, 55.5480



20.8590, 15.3778, 44.5600

Triad

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



16.0575, 15.3778, 55.5480



22.4805, 15.3778, 5.3896



7.8786, 15.3778, 9.3416

Complementary

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



16.0575, 15.3778, 55.5480



28.7810, 22.7876, 3.5447

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.



9.7626, 15.3778, 3.8798



16.0575, 15.3778, 55.5480



17.9409, 15.3778, 2.5582

Square

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



16.0575, 15.3778, 55.5480



25.0410, 15.3778, 13.0545



13.2637, 15.3778, 2.2024



7.5800, 15.3778, 21.0699

Rectangle

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



16.0575, 15.3778, 55.5480



23.4728, 15.3778, 33.0888



13.2637, 15.3778, 2.2024



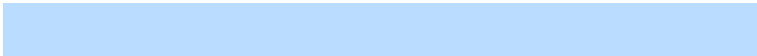
8.3255, 15.3778, 6.9263

Sweetspot

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



16.0582, 15.3782, 55.5484



64.1811, 69.3678, 104.6144



23.0873, 41.5791, 20.4576



13.0577, 14.1407, 22.2912



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.



16.0582, 15.3782, 55.5484



25.8888, 22.8975, 97.6629



10.7885, 4.8389, 53.7919



10.4924, 11.1589, 13.5184



9.6842, 8.7624, 35.9253



0.5310, 0.5597, 1.7252

Inverse Universe

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



26.3540, 13.6330, 15.9944



45.1966, 22.8427, 22.7654



42.9382, 51.1021, 8.2638



10.8538, 10.7249, 12.2135



16.6875, 8.4246, 8.8302



0.8267, 0.4135, 0.6106

Previews

White Background



This preview shows how the XYZ color 16.0575, 15.3778, 55.5480 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 16.0575, 15.3778, 55.5480 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 16.0575, 15.3778, 55.5480

Background



This preview shows how black text looks on a background with the XYZ color 16.0575, 15.3778, 55.5480.



This preview shows how white text looks on a background with the XYZ color 16.0575, 15.3778,

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

16.0575, 15.3778, 55.5480

Protanopia

17.2064, 15.3964, 53.1039

Deuteranopia

15.6482, 15.3544, 54.3635



Tritanopia

10.7998, 15.2597, 23.1451

Trichromacy



Original Color

16.0575, 15.3778, 55.5480

Protanomaly

16.4234, 15.1336, 53.6852

Deuteranomaly

15.8501, 15.4453, 54.9692

Tritanomaly

12.2816, 15.1008, 32.8393

Monochromacy



Original Color

16.0575, 15.3778, 55.5480

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.8053, 11.7206, 23.1655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0575, 15.3778, 55.5480 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(20, 110, 198)` looks like.

```
.text, #text, p{  
    color:rgb(20, 110, 198)  
}
```

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(20, 110, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 110, 198) }
```

Border

The CSS property to change the border of an element to XYZ 16.0575, 15.3778, 55.5480 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(20, 110, 198) }
```


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

```
.border{ border-color:rgb(20, 110, 198) }
```

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

Here you see how a box with a 4 pixel rgb(20, 110, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 110, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 110, 198);  
box-shadow:4px 4px 4px 4px rgb(20, 110,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0575, 15.3778, 55.5480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 110, 198) }
```

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

```
.background{ background-color: rgb(20, 110,  
198) }
```

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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