

Converting Colors

XYZ(15.7900, 15.6482, 53.0378)

Have a look what the booklet for
XYZ(15.7900, 15.6482, 53.0378)
contains.

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Color

**XYZ(15.8003, 15.6218,
53.2215)**

Conversions

Conversions Part 1

Format	Color
Hex	1370C2
RGB	19, 112, 194
RGB Percent	7%, 44%, 76%
CMY	0.9254, 0.5608, 0.2392
CMYK	0.90, 0.42, 0.00, 0.24
HSL	208°, 82%, 42%
HSV	208°, 90%, 76%
XYZ	15.8003, 15.6218, 53.2215
YIQ	93.5410, -81.7500, 5.7860

Conversions

Conversions Part 2

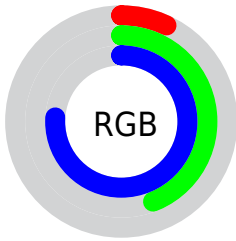
Format	Color
R_{YB}	19, 80, 194
Decimal	1274050
CIE _{Lab}	46.47, 5.64, -49.83
CIE _{LCh}	46, 50.149, 276.455
Yxy	15.6218, 0.1867, 0.1846
Android (android.graphics.Color)	4279464130 (0xFF1370C2)
YUV	93.5410, 49.5263, -65.3725
Hunter-Lab	39.5244, 2.1895, -52.1697

Details

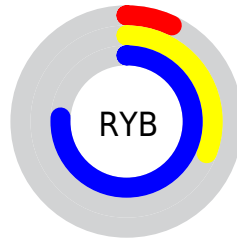
The XYZ color **15.8003, 15.6218, 53.2215** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **27.0221, 20.8287, 3.2133**, and the grayscale version is **10.4342, 10.9776, 11.9546**.

A 20% lighter version of the original color is **35.7653, 35.8687, 96.3051**, and **6.6239, 5.6740, 25.5570** is the 20% darker color. If you saturate the color by 10%, you get **14.5964, 13.6125, 52.8975**, and if you desaturate by 10%, it is **17.4014, 18.0124, 53.5989**.

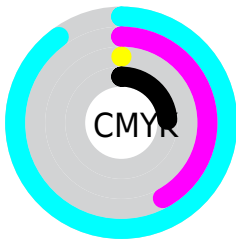
Distribution



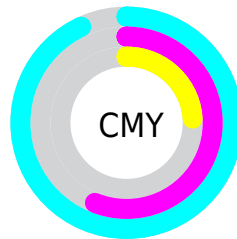
- Red (7%)
- Green (44%)
- Blue (76%)



- Red (7%)
- Yellow (31%)
- Blue (76%)



- Cyan (90%)
- Magenta (42%)
- Yellow (0%)
- Black (24%)



- Cyan (93%)
- Magenta (56%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8003, 15.6218, 53.2215 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 15.8003, 15.6218, 53.2215 by changing the saturation by 10% instead.

■ 15.8003, 15.6218,
53.2215

■ 15.8003, 15.6218,
53.2215

221.4541,
227.0996, 416.2247

■ 9.4729, 9.2569,
37.5907

■ 35.8114, 35.9404,
96.3751

■ 5.1105, 4.9091,
25.3658

■ 50.2259, 50.6629,
124.7349

■ 2.3476, 2.1941,
16.1283

■ 68.0667, 68.9400,
158.1748

■ 0.8189, 0.7167,
9.4597

■ 89.6992, 91.1562,
197.1134

■ 0.0000, 0.0000,
4.9413

■ 115.4889,
117.6959, 241.9691

■ 0.0000, 0.0000,
2.1547

■ 145.8010,

■ 0.0000, 0.0000,

148.9434, 293.1606

0.6481

181.0010,
185.2832, 351.1062

■ 0.0000, 0.0000,
0.0000

■ 15.8003, 15.6218,
53.2215

■ 15.8003, 15.6218,
53.2215

■ 14.5964, 13.6125,
52.8975

■ 17.4014, 18.0124,
53.5989

■ 19.4795, 20.8036,
54.0281

■ 22.0890, 24.0273,
54.5128

■ 25.2751, 27.7110,
55.0559

■ 29.0782, 31.8792,
55.6600

■ 33.5343, 36.5542,
56.3275

■ 38.6769, 41.7567,
57.0607

■ 44.5367, 47.5060,
57.8616

■ 51.1426, 53.8205,
58.7322

Harmonies

Analogous

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



11.7747, 15.6218, 49.4074



15.8003, 15.6218, 53.2215



20.3427, 15.6218, 44.1671

Triad

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



15.8003, 15.6218, 53.2215



22.5696, 15.6218, 6.4381



8.4677, 15.6218, 9.1747

Complementary

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



15.8003, 15.6218, 53.2215



27.0221, 20.8287, 3.2133

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.



10.4443, 15.6218, 4.1632



15.8003, 15.6218, 53.2215



18.4145, 15.6218, 3.2032

Square

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



15.8003, 15.6218, 53.2215



24.7103, 15.6218, 14.4760



13.9349, 15.6218, 2.6396



8.0365, 15.6218, 19.8226

Rectangle

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



15.8003, 15.6218, 53.2215



22.8905, 15.6218, 33.8049



13.9349, 15.6218, 2.6396



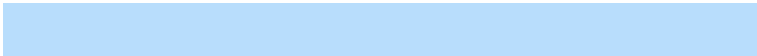
8.9518, 15.6218, 6.9692

Sweetspot

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



15.8010, 15.6223, 53.2219



63.2050, 68.7358, 102.4059



21.8943, 39.6559, 18.7303



13.1687, 14.3626, 22.3281



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.



15.8010, 15.6223, 53.2219



26.1870, 24.1466, 95.7503



10.3513, 4.7229, 51.4054



9.9614, 10.6142, 12.8085



9.6794, 9.1153, 34.8059



0.4867, 0.5309, 1.5267

Inverse Universe

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



25.4063, 13.1059, 16.5201



44.6211, 22.5048, 24.5986



40.3852, 47.5548, 7.6677



10.2918, 10.1653, 11.6273



16.2817, 8.2024, 9.3954



0.7381, 0.3682, 0.5881

Previews

White Background



This preview shows how the XYZ color 15.8003, 15.6218, 53.2215 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 15.8003, 15.6218, 53.2215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

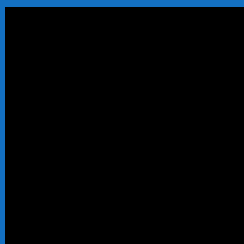
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8003, 15.6218, 53.2215

Background



This preview shows how black text looks on a background with the XYZ color 15.8003, 15.6218, 53.2215.



This preview shows how white text looks on a background with the XYZ color 15.8003, 15.6218,

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

15.8003, 15.6218, 53.2215

Protanopia

17.1907, 15.6060, 50.2503

Deuteranopia

16.0177, 15.5710, 53.2002



Tritanopia

10.9888, 15.5308, 23.5377

Trichromacy



Original Color

15.8003, 15.6218, 53.2215

Protanomaly

16.3408, 15.4558, 51.4122

Deuteranomaly

15.8740, 15.4969, 53.1935

Tritanomaly

12.3158, 15.3019, 32.4414

Monochromacy



Original Color

15.8003, 15.6218, 53.2215

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.9977, 12.1124, 22.8774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8003, 15.6218, 53.2215 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(19, 112, 194)` looks like.

```
.text, #text, p{  
    color:rgb(19, 112, 194)  
}
```

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(19, 112, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 112, 194) }
```

Border

The CSS property to change the border of an element to XYZ 15.8003, 15.6218, 53.2215 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(19, 112, 194) }
```


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

```
.border{ border-color:rgb(19, 112, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 112, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 112, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 112, 194);  
box-shadow:4px 4px 4px 4px rgb(19, 112,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8003, 15.6218, 53.2215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 112, 194) }
```

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

```
.background{ background-color: rgb(19, 112,  
194) }
```

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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