

Converting Colors

XYZ(16.6565, 17.1272, 51.7186)

Have a look what the booklet for
XYZ(16.6565, 17.1272, 51.7186)
contains.

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Color

**XYZ(16.6454, 17.1118,
51.7158)**

Conversions

Conversions Part 1

Format	Color
Hex	2576BF
RGB	37, 118, 191
RGB Percent	15%, 46%, 75%
CMY	0.8548, 0.5373, 0.2510
CMYK	0.81, 0.38, 0.00, 0.25
HSL	208°, 68%, 45%
HSV	208°, 81%, 75%
XYZ	16.6454, 17.1118, 51.7158
YIQ	102.1030, -71.7090, 5.5310

Conversions

Conversions Part 2

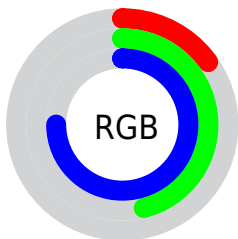
Format	Color
R_{YB}	37, 90, 191
Decimal	2455231
CIE _{Lab}	48.40, 2.15, -45.01
CIE _{LCh}	48, 45.061, 272.737
Yxy	17.1118, 0.1947, 0.2002
Android (android.graphics.Color)	4280645311 (0xFF2576BF)
YUV	102.1030, 43.8262, -57.0953
Hunter-Lab	41.3664, -0.5647, -45.1672

Details

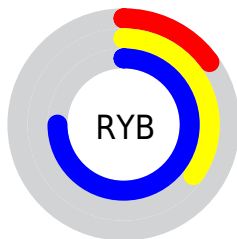
The XYZ color **16.6454, 17.1118, 51.7158** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **27.3977, 22.3651, 4.6244**, and the grayscale version is **12.5601, 13.2142, 14.3902**.

A 20% lighter version of the original color is **37.3814, 38.6526, 94.2974**, and **6.7055, 6.1865, 24.5076** is the 20% darker color. If you saturate the color by 10%, you get **15.1148, 14.8152, 51.3536**, and if you desaturate by 10%, it is **18.6379, 19.7989, 52.1298**.

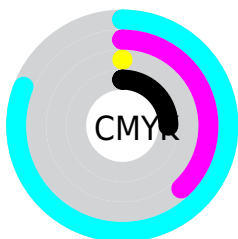
Distribution



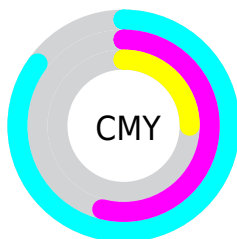
- Red (15%)
- Green (46%)
- Blue (75%)



- Red (15%)
- Yellow (35%)
- Blue (75%)



- Cyan (81%)
- Magenta (38%)
- Yellow (0%)
- Black (25%)



- Cyan (85%)
- Magenta (54%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6454, 17.1118, 51.7158 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 16.6454, 17.1118, 51.7158 by changing the saturation by 10% instead.

■ 16.6454, 17.1118,
51.7158

■ 16.6454, 17.1118,
51.7158

226.3169,
235.8158, 410.2641

■ 10.0757, 10.3142,
36.3979

■ 37.2636, 38.5179,
94.1343

■ 5.5118, 5.6078,
24.4495

■ 52.0427, 53.8952,
122.0720

■ 2.5884, 2.6081,
15.4522

■ 70.2891, 72.9012,
155.0533

■ 0.9401, 0.9307,
8.9872

■ 92.3681, 95.9204,
193.4969

■ 0.0000, 0.0000,
4.6361

■ 118.6450,
123.3370, 237.8212

■ 0.0000, 0.0000,
1.9804

149.4852,

■ 0.0000, 0.0000,

155.5355, 288.4448

0.5432

185.2540,
192.9003, 345.7863

■ 0.0000, 0.0000,
0.0000

■ 16.6454, 17.1118,
51.7158

■ 16.6454, 17.1118,
51.7158

■ 15.1148, 14.8152,
51.3536

■ 18.6379, 19.7989,
52.1298

■ 14.0048, 12.9632,
51.0546

■ 21.1423, 22.9056,
52.5975

■ 24.2032, 26.4593,
53.1221

■ 27.8596, 30.4838,
53.7062

■ 32.1466, 35.0008,
54.3521

■ 37.0963, 40.0305,
55.0621

■ 42.7388, 45.5918,
55.8381

■ 49.1018, 51.7023,
56.6822

■ 56.2118, 58.3789,
57.5962

Harmonies

Analogous

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



12.8991, 17.1118, 46.9447



16.6454, 17.1118, 51.7158



20.9346, 17.1118, 44.9675

Triad

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



16.6454, 17.1118, 51.7158



23.8779, 17.1118, 8.8600



10.1906, 17.1118, 10.0528

Complementary

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



16.6454, 17.1118, 51.7158



27.3977, 22.3651, 4.6244

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.



12.3460, 17.1118, 5.3234



16.6454, 17.1118, 51.7158



20.1690, 17.1118, 4.8672

Square

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



16.6454, 17.1118, 51.7158



25.5280, 17.1118, 17.5695



15.8890, 17.1118, 3.9175



9.5662, 17.1118, 19.7361

Rectangle

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



16.6454, 17.1118, 51.7158



23.4174, 17.1118, 36.0177



15.8890, 17.1118, 3.9175



10.7399, 17.1118, 7.9957

Sweetspot

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



16.6461, 17.1123, 51.7162



62.9639, 68.1980, 98.1241



22.1480, 38.7569, 20.7462



13.1295, 14.2662, 21.4470



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



16.6461, 17.1123, 51.7162



25.4064, 23.7268, 91.5198



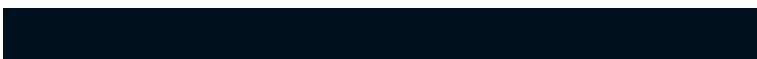
11.0007, 5.8216, 49.8345



9.4205, 10.0334, 12.1123



9.2849, 8.6816, 33.5792



0.4288, 0.4702, 1.3370

Inverse Universe

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



25.4181, 13.7085, 18.4462



42.8376, 21.7092, 24.3434



39.3512, 46.2722, 8.6089



9.7341, 9.6179, 10.9889



15.6874, 7.9061, 8.9132



0.6473, 0.3228, 0.5221

Previews

White Background



This preview shows how the XYZ color 16.6454, 17.1118, 51.7158 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 16.6454, 17.1118, 51.7158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

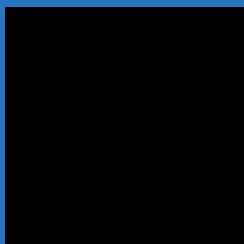
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

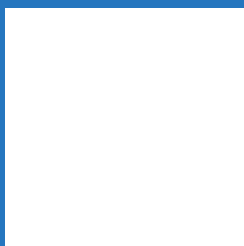
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.6454, 17.1118, 51.7158

Background



This preview shows how black text looks on a background with the XYZ color 16.6454, 17.1118, 51.7158.



This preview shows how white text looks on a background with the XYZ color 16.6454, 17.1118,

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

16.6454, 17.1118, 51.7158

Protanopia

18.2974, 17.0224, 48.2202

Deuteranopia

17.5696, 17.0593, 52.2359



Tritanopia

12.0333, 16.9563, 25.9312

Trichromacy



Original Color

16.6454, 17.1118, 51.7158

Protanomaly

17.3709, 16.8514, 49.3508

Deuteranomaly

17.1760, 17.0266, 52.2504

Tritanomaly

13.3744, 16.9012, 34.0098

Monochromacy



Original Color

16.6454, 17.1118, 51.7158

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.8075, 14.0661, 24.5942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6454, 17.1118, 51.7158 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(37, 118, 191)` looks like.

```
.text, #text, p{  
    color:rgb(37, 118, 191)  
}
```

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(37, 118, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 118, 191) }
```

Border

The CSS property to change the border of an element to XYZ 16.6454, 17.1118, 51.7158 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(37, 118, 191) }
```


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

```
.border{ border-color:rgb(37, 118, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 118, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 118, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 118, 191);  
box-shadow:4px 4px 4px 4px rgb(37, 118,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6454, 17.1118, 51.7158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 118, 191) }
```

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

```
.background{ background-color: rgb(37, 118,  
191) }
```

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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