

Converting Colors

XYZ(16.4112, 17.1828, 46.1948)

Have a look what the booklet for
XYZ(16.4112, 17.1828, 46.1948)
contains.

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Color

**XYZ(16.3402, 17.0773,
46.1511)**

Conversions

Conversions Part 1

Format	Color
Hex	3676B5
RGB	54, 118, 181
RGB Percent	21%, 46%, 71%
CMY	0.7882, 0.5372, 0.2902
CMYK	0.70, 0.35, 0.00, 0.29
HSL	210°, 54%, 46%
HSV	210°, 70%, 71%
XYZ	16.3402, 17.0773, 46.1511
YIQ	106.0460, -58.3670, 6.0250

Conversions

Conversions Part 2

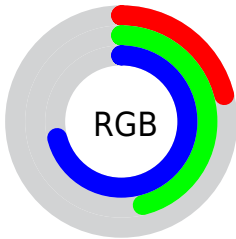
Format	Color
R_{YB}	54, 97, 181
Decimal	3569333
CIE _{Lab}	48.36, 0.62, -39.27
CIE _{LCh}	48, 39.279, 270.902
Yxy	17.0773, 0.2054, 0.2146
Android (android.graphics.Color)	4281759413 (0xFF3676B5)
YUV	106.0460, 36.9523, -45.6443
Hunter-Lab	41.3247, -1.7375, -37.2873

Details

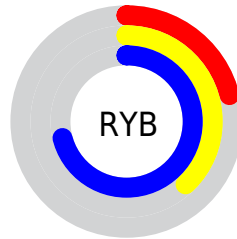
The XYZ color **16.3402, 17.0773, 46.1511** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **26.0843, 22.8144, 6.5197**, and the grayscale version is **13.6264, 14.3360, 15.6119**.

A 20% lighter version of the original color is **36.7310, 38.5087, 85.6178**, and **6.0864, 5.9388, 21.2476** is the 20% darker color. If you saturate the color by 10%, you get **14.5359, 14.6516, 45.7784**, and if you desaturate by 10%, it is **18.6079, 19.8918, 46.5752**.

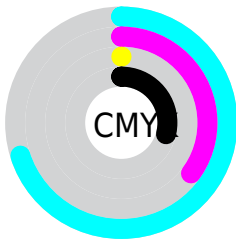
Distribution



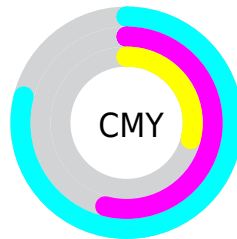
- Red (21%)
- Green (46%)
- Blue (71%)



- Red (21%)
- Yellow (38%)
- Blue (71%)



- Cyan (70%)
- Magenta (35%)
- Yellow (0%)
- Black (29%)



- Cyan (79%)
- Magenta (54%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3402, 17.0773, 46.1511 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 16.3402, 17.0773, 46.1511 by changing the saturation by 10% instead.

■ 16.3402, 17.0773,
46.1511

■ 16.3402, 17.0773,
46.1511

224.5720,
235.6174, 387.7110

■ 9.8576, 10.2896,
32.0155

■ 36.7405, 38.4586,
85.7818

■ 5.3662, 5.5914,
21.1085

■ 51.3889, 53.8211,
112.1139

■ 2.5006, 2.5983,
13.0113

■ 69.4899, 72.8106,
143.3487

■ 0.8956, 0.9258,
7.3055

■ 91.4089, 95.8115,
179.9047

■ 0.0000, 0.0000,
3.5726

■ 117.5113,
123.2082, 222.2004

■ 0.0000, 0.0000,
1.3939

148.1624,

■ 0.0000, 0.0000,

155.3852, 270.6543

0.1370

183.7275,
192.7268, 325.6850

■ 0.0000, 0.0000,
0.0000

■ 16.3402, 17.0773,
46.1511

■ 16.3402, 17.0773,
46.1511

■ 14.5359, 14.6516,
45.7784

■ 18.6079, 19.8918,
46.5752

■ 13.1477, 12.5856,
45.4527

■ 21.3757, 23.1172,
47.0519

■ 12.0996, 10.8542,
45.1738

■ 24.6784, 26.7758,
47.5840

■ 28.5470, 30.8870,
48.1736

■ 33.0099, 35.4692,
48.8229

■ 38.0936, 40.5393,
49.5336

■ 43.8226, 46.1136,
50.3076

■ 50.2204, 52.2073,
51.1466

■ 57.3090, 58.8350,
52.0522

Harmonies

Analogous

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



13.1040, 17.0773, 41.7356



16.3402, 17.0773, 46.1511



20.0362, 17.0773, 41.2052

Triad

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



16.3402, 17.0773, 46.1511



22.8955, 17.0773, 10.1851



10.9214, 17.0773, 10.5496

Complementary

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



16.3402, 17.0773, 46.1511



26.0843, 22.8144, 6.5197

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.



12.9417, 17.0773, 6.2762



16.3402, 17.0773, 46.1511



19.8207, 17.0773, 6.1267

Square

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



16.3402, 17.0773, 46.1511



24.1476, 17.0773, 18.2853



16.1232, 17.0773, 5.0140



10.2674, 17.0773, 18.9067

Rectangle

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



16.3402, 17.0773, 46.1511



22.1919, 17.0773, 34.0345



16.1232, 17.0773, 5.0140



11.4470, 17.0773, 8.7143

Sweetspot

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



16.3409, 17.0779, 46.1515



58.1120, 62.5031, 87.2961



21.1626, 35.0792, 21.9924



12.0763, 13.0162, 18.7981



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



16.3409, 17.0779, 46.1515



24.6429, 24.2242, 81.6715



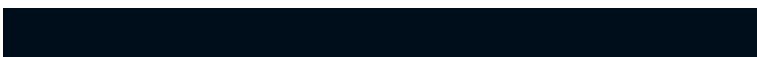
11.2825, 6.9611, 44.4654



8.3840, 8.9142, 10.7851



8.4106, 7.6216, 31.1648



0.3229, 0.3564, 1.0000

Inverse Universe

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



23.6458, 13.7709, 18.5517



39.3113, 20.7524, 25.5404



35.8191, 42.2840, 9.7647



8.6690, 8.5743, 9.7555



14.4799, 7.3095, 7.6873



0.4850, 0.2418, 0.3968

Previews

White Background



This preview shows how the XYZ color 16.3402, 17.0773, 46.1511 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 16.3402, 17.0773, 46.1511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

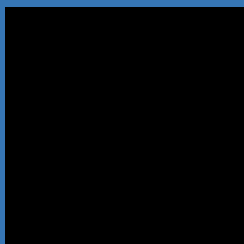
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3402, 17.0773, 46.1511

Background



This preview shows how black text looks on a background with the XYZ color 16.3402, 17.0773, 46.1511.



This preview shows how white text looks on a background with the XYZ color 16.3402, 17.0773,

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

16.3402, 17.0773, 46.1511

Protanopia

17.9450, 16.9471, 43.3996

Deuteranopia

17.4413, 16.9485, 46.6081



Tritanopia

12.2707, 17.0705, 26.3151

Trichromacy



Original Color

16.3402, 17.0773, 46.1511

Protanomaly

17.1951, 16.8687, 44.4692

Deuteranomaly

16.9581, 16.8678, 46.6180

Tritanomaly

13.4363, 16.9621, 32.7028

Monochromacy



Original Color

16.3402, 17.0773, 46.1511

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.7400, 14.8716, 24.3366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3402, 17.0773, 46.1511 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(54, 118, 181)` looks like.

```
.text, #text, p{  
    color:rgb(54, 118, 181)  
}
```

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(54, 118, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 118, 181) }
```

Border

The CSS property to change the border of an element to XYZ 16.3402, 17.0773, 46.1511 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(54, 118, 181) }
```


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

```
.border{ border-color:rgb(54, 118, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 118, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 118, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 118, 181);  
box-shadow:4px 4px 4px 4px rgb(54, 118,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3402, 17.0773, 46.1511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 118, 181) }
```

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

```
.background{ background-color: rgb(54, 118,  
181) }
```

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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