

Converting Colors

XYZ(16.3436, 16.5999, 52.8899)

Have a look what the booklet for
XYZ(16.3436, 16.5999, 52.8899)
contains.

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Color

**XYZ(16.3230, 16.5740,
52.7909)**

Conversions

Conversions Part 1

Format	Color
Hex	1B74C1
RGB	27, 116, 193
RGB Percent	11%, 45%, 76%
CMY	0.8940, 0.5451, 0.2431
CMYK	0.86, 0.40, 0.00, 0.24
HSL	208°, 75%, 43%
HSV	208°, 86%, 76%
XYZ	16.3230, 16.5740, 52.7909
YIQ	98.1670, -77.7610, 5.0790

Conversions

Conversions Part 2

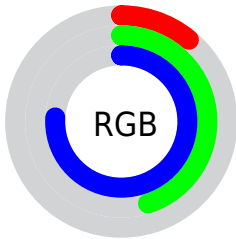
Format	Color
R_{YB}	27, 85, 193
Decimal	1799361
CIE _{Lab}	47.72, 3.27, -47.26
CIE _{LCh}	48, 47.373, 273.962
Yxy	16.5740, 0.1905, 0.1934
Android (android.graphics.Color)	4279989441 (0xFF1B74C1)
YUV	98.1670, 46.7527, -62.4135
Hunter-Lab	40.7112, 0.3244, -48.3846

Details

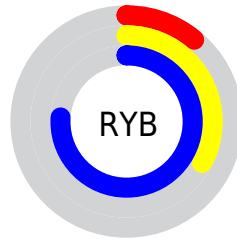
The XYZ color **16.3230, 16.5740, 52.7909** is a dark color, and the websafe version is hex **336699**. The color can be described as dark washed azure. A complement of this color would be **27.1428, 21.3212, 3.7229**, and the grayscale version is **11.5537, 12.1554, 13.2372**.

A 20% lighter version of the original color is **36.8515, 37.7910, 95.7946**, and **6.7883, 6.1203, 25.2497** is the 20% darker color. If you saturate the color by 10%, you get **14.9850, 14.4254, 52.4471**, and if you desaturate by 10%, it is **18.0947, 19.0942, 53.1843**.

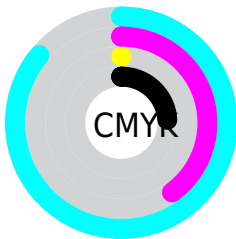
Distribution



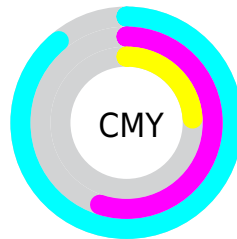
- Red (11%)
- Green (45%)
- Blue (76%)



- Red (11%)
- Yellow (33%)
- Blue (76%)



- Cyan (86%)
- Magenta (40%)
- Yellow (0%)
- Black (24%)



- Cyan (89%)
- Magenta (55%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3230, 16.5740, 52.7909 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 16.3230, 16.5740, 52.7909 by changing the saturation by 10% instead.

■ 16.3230, 16.5740,
52.7909

■ 16.3230, 16.5740,
52.7909

224.4733,
232.7054, 414.5259

■ 9.8453, 9.9312,
37.2493

■ 36.7110, 37.5919,
95.7350

■ 5.3580, 5.3534,
25.1033

■ 51.3520, 52.7358,
123.9746

■ 2.4957, 2.4561,
15.9343

■ 69.4448, 71.4821,
157.2840

■ 0.8931, 0.8545,
9.3238

■ 91.3547, 94.2154,
196.0816

■ 0.0000, 0.0000,
4.8533

■ 117.4472,
121.3200, 240.7861

■ 0.0000, 0.0000,
2.1042

148.0876,

■ 0.0000, 0.0000,

153.1802, 291.8159

0.6183

183.6411,
190.1806, 349.5897

■ 0.0000, 0.0000,
0.0000

■ 16.3230, 16.5740,
52.7909

■ 16.3230, 16.5740,
52.7909

■ 14.9850, 14.4254,
52.4471

■ 18.0947, 19.0942,
53.1843

■ 14.5225, 13.6439,
52.3206

■ 20.3592, 22.0200,
53.6297

■ 23.1663, 25.3810,
54.1305

■ 26.5582, 29.2027,
54.6894

■ 30.5729, 33.5083,
55.3089

■ 35.2447, 38.3189,
55.9912

■ 40.6052, 43.6541,
56.7384

■ 46.6841, 49.5326,
57.5527

■ 53.5091, 55.9717,
58.4359

Harmonies

Analogous

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



12.4389, 16.5740, 48.1983



16.3230, 16.5740, 52.7909



20.7597, 16.5740, 45.1597

Triad

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



16.3230, 16.5740, 52.7909



23.5274, 16.5740, 7.8941



9.5054, 16.5740, 9.6158

Complementary

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



16.3230, 16.5740, 52.7909



27.1428, 21.3212, 3.7229

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.



11.6241, 16.5740, 4.7830



16.3230, 16.5740, 52.7909



19.6091, 16.5740, 4.1479

Square

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



16.3230, 16.5740, 52.7909



25.3646, 16.5740, 16.4810



15.1966, 16.5740, 3.3389



8.9401, 16.5740, 19.7077

Rectangle

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



16.3230, 16.5740, 52.7909



23.3066, 16.5740, 35.5599



15.1966, 16.5740, 3.3389



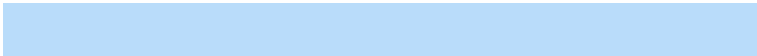
10.0382, 16.5740, 7.5014

Sweetspot

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



16.3237, 16.5745, 52.7913



62.7591, 68.2605, 100.2281



21.9066, 39.3271, 18.9316



12.8118, 13.9795, 21.4083



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.



16.3237, 16.5745, 52.7913



25.7606, 23.9377, 93.6230



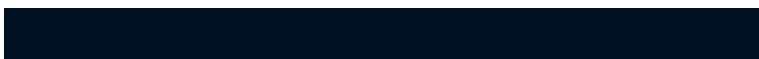
10.6886, 5.3044, 50.9130



9.9654, 10.6222, 12.8099



9.7399, 9.2362, 34.8260



0.4892, 0.5359, 1.5275

Inverse Universe

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



25.5373, 13.3833, 17.7605



43.6895, 22.0259, 24.4920



39.4771, 45.9900, 7.8343



10.2939, 10.1661, 11.6379



16.3122, 8.2146, 9.5560



0.7393, 0.3687, 0.5947

Previews

White Background



This preview shows how the XYZ color 16.3230, 16.5740, 52.7909 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 16.3230, 16.5740, 52.7909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

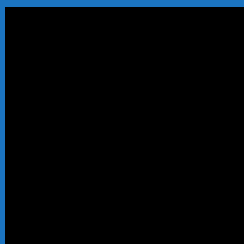
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

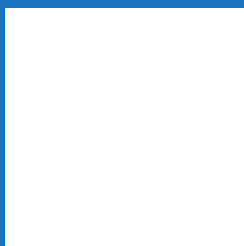
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3230, 16.5740, 52.7909

Background



This preview shows how black text looks on a background with the XYZ color 16.3230, 16.5740, 52.7909.



This preview shows how white text looks on a background with the XYZ color 16.3230, 16.5740,

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

16.3230, 16.5740, 52.7909

Protanopia

17.9389, 16.4890, 49.2509

Deuteranopia

17.1202, 16.6335, 53.3472



Tritanopia

11.6367, 16.3885, 25.1042

Trichromacy



Original Color

16.3230, 16.5740, 52.7909

Protanomaly

16.9039, 16.2546, 50.3906

Deuteranomaly

16.8232, 16.6488, 53.3658

Tritanomaly

13.0011, 16.3502, 33.4810

Monochromacy



Original Color

16.3230, 16.5740, 52.7909

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.9577, 13.1743, 24.1030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3230, 16.5740, 52.7909 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(27, 116, 193)` looks like.

```
.text, #text, p{  
    color:rgb(27, 116, 193)  
}
```

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(27, 116, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 116, 193) }
```

Border

The CSS property to change the border of an element to XYZ 16.3230, 16.5740, 52.7909 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(27, 116, 193) }
```


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

```
.border{ border-color:rgb(27, 116, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 116, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 116, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 116, 193);  
box-shadow:4px 4px 4px 4px rgb(27, 116,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3230, 16.5740, 52.7909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 116, 193) }
```

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

```
.background{ background-color: rgb(27, 116,  
193) }
```

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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