

Converting Colors

XYZ(15.9321, 14.2574, 58.4208)

Have a look what the booklet for
XYZ(15.9321, 14.2574, 58.4208)
contains.

XYZ(15.9793, 14.3410, 58.4258)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.9793, 14.3410,
58.4258)**

Conversions

Conversions Part 1

Format	Color
Hex	1268CB
RGB	18, 104, 203
RGB Percent	7%, 41%, 80%
CMY	0.9293, 0.5922, 0.2039
CMYK	0.91, 0.49, 0.00, 0.20
HSL	212°, 84%, 43%
HSV	212°, 91%, 80%
XYZ	15.9793, 14.3410, 58.4258
YIQ	89.5720, -83.0350, 12.5570

Conversions

Conversions Part 2

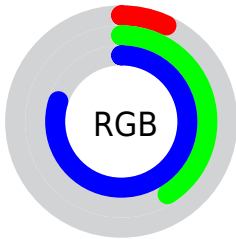
Format	Color
R_{YB}	18, 77, 203
Decimal	1206475
CIE _{Lab}	44.72, 14.24, -57.84
CIE _{LCh}	45, 59.563, 283.834
Yxy	14.3410, 0.1801, 0.1616
Android (android.graphics.Color)	4279396555 (0xFF1268CB)
YUV	89.5720, 55.9200, -62.7686
Hunter-Lab	37.8695, 9.0476, -64.9651

Details

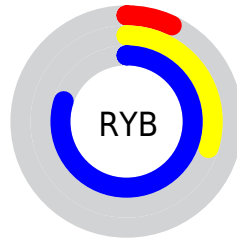
The XYZ color **15.9793, 14.3410, 58.4258** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **31.1035, 25.4710, 3.8508**, and the grayscale version is **9.5176, 10.0132, 10.9044**.

A 20% lighter version of the original color is **35.0851, 33.1560, 99.1583**, and **6.8584, 5.1642, 28.6523** is the 20% darker color. If you saturate the color by 10%, you get **14.8132, 12.3792, 58.1089**, and if you desaturate by 10%, it is **17.7067, 16.9611, 58.8408**.

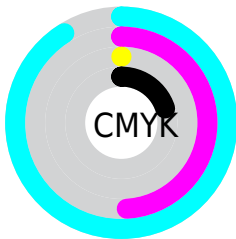
Distribution



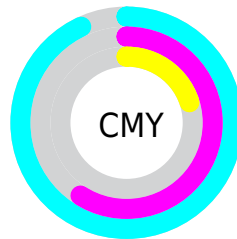
- Red (7%)
- Green (41%)
- Blue (80%)



- Red (7%)
- Yellow (30%)
- Blue (80%)



- Cyan (91%)
- Magenta (49%)
- Yellow (0%)
- Black (20%)



- Cyan (93%)
- Magenta (59%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9793, 14.3410, 58.4258 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 15.9793, 14.3410, 58.4258 by changing the saturation by 10% instead.

■ 15.9793, 14.3410,
58.4258

■ 15.9793, 14.3410,
58.4258

222.4923,
219.3420, 436.4132

■ 9.6003, 8.3582,
41.7341

■ 36.1200, 33.6929,
104.0636

■ 5.1950, 4.3250,
28.5691

■ 50.6124, 47.8307,
133.8467

■ 2.3980, 1.8570,
18.5123

■ 68.5399, 65.4558,
168.8307

■ 0.8441, 0.5223,
11.1452

■ 90.2679, 86.9523,
209.4342

■ 0.0000, 0.0000,
6.0492

■ 116.1619,
112.7049, 256.0756

■ 0.0000, 0.0000,
2.8057

146.5870,

■ 0.0000, 0.0000,

143.0977, 309.1736

0.9963

181.9087,
178.5153, 369.1466

■ 0.0000, 0.0000,
0.0000

■ 15.9793, 14.3410,
58.4258

■ 15.9793, 14.3410,
58.4258

■ 14.8132, 12.3792,
58.1089

■ 17.7067, 16.9611,
58.8408

■ 19.9880, 20.0834,
59.3233

■ 22.8869, 23.7479,
59.8778

■ 26.4564, 27.9889,
60.5083

■ 30.7435, 32.8370,
61.2181

■ 35.7906, 38.3203,
62.0105

■ 41.6365, 44.4649,
62.8884

■ 48.3172, 51.2951,
63.8546

■ 55.8664, 58.8341,
64.9119

Harmonies

Analogous

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



11.2003, 14.3410, 57.7519



15.9793, 14.3410, 58.4258



21.1455, 14.3410, 43.8116

Triad

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



15.9793, 14.3410, 58.4258



21.5064, 14.3410, 3.4741



6.5036, 14.3410, 9.3076

Complementary

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



15.9793, 14.3410, 58.4258



31.1035, 25.4710, 3.8508

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.



8.1478, 14.3410, 3.2001



15.9793, 14.3410, 58.4258



16.3894, 14.3410, 1.4566

Square

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



15.9793, 14.3410, 58.4258



24.8113, 14.3410, 10.0695



11.5243, 14.3410, 1.3997



6.4440, 14.3410, 22.8944

Rectangle

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



15.9793, 14.3410, 58.4258



23.8059, 14.3410, 30.5637



11.5243, 14.3410, 1.3997



6.8679, 14.3410, 6.5639

Sweetspot

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



15.9800, 14.3414, 58.4262



63.4462, 67.8981, 104.3694



24.7984, 44.1180, 23.9406



12.8853, 13.7958, 22.2337



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.



15.9800, 14.3414, 58.4262



24.5893, 20.2985, 97.2298



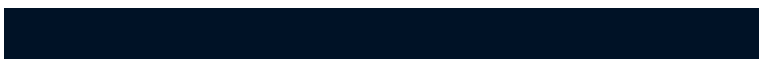
11.3779, 4.9422, 56.8545



11.0243, 11.6891, 14.2455



9.5163, 8.0566, 37.0098



0.5666, 0.5670, 1.9345

Inverse Universe

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



27.3443, 14.1298, 14.3828



44.5407, 22.5803, 19.3113



44.4483, 54.6040, 8.7707



11.4256, 11.2990, 12.7760



17.0143, 8.6163, 7.7940



0.9159, 0.4598, 0.6032

Previews

White Background



This preview shows how the XYZ color 15.9793, 14.3410, 58.4258 looks on a white background.

Color Contrast Check

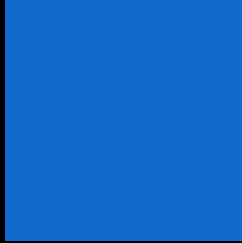
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9793, 14.3410, 58.4258 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 15.9793, 14.3410, 58.4258

Background



This preview shows how black text looks on a background with the XYZ color 15.9793, 14.3410, 58.4258.



This preview shows how white text looks on a background with the XYZ color 15.9793, 14.3410,

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

15.9793, 14.3410, 58.4258

Protanopia

16.6094, 14.3979, 57.1620

Deuteranopia

14.4397, 14.3560, 49.5869



Tritanopia

10.0630, 14.2032, 21.6132

Trichromacy



Original Color

15.9793, 14.3410, 58.4258

Protanomaly

16.3102, 14.3768, 57.7925

Deuteranomaly

14.9710, 14.4108, 52.4446

Tritanomaly

11.6316, 13.9334, 32.2134

Monochromacy



Original Color

15.9793, 14.3410, 58.4258

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.3033, 10.9131, 23.0361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9793, 14.3410, 58.4258 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(18, 104, 203)` looks like.

```
.text, #text, p{  
    color:rgb(18, 104, 203)  
}
```

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(18, 104, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 104, 203) }
```

Border

The CSS property to change the border of an element to XYZ 15.9793, 14.3410, 58.4258 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(18, 104, 203) }
```


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

```
.border{ border-color:rgb(18, 104, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 104, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 104, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 104, 203);  
box-shadow:4px 4px 4px 4px rgb(18, 104,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9793, 14.3410, 58.4258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 104, 203) }
```

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

```
.background{ background-color: rgb(18, 104,  
203) }
```

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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