

Converting Colors

XYZ(15.8977, 18.4183, 31.7617)

Have a look what the booklet for
XYZ(15.8977, 18.4183, 31.7617)
contains.

XYZ(15.8992, 18.4470, 31.5768)	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(15.8992, 18.4470,
31.5768)**

Conversions

Conversions Part 1

Format	Color
Hex	4D7D96
RGB	77, 125, 150
RGB Percent	30%, 49%, 59%
CMY	0.6980, 0.5098, 0.4118
CMYK	0.49, 0.17, 0.00, 0.41
HSL	201°, 32%, 45%
HSV	201°, 49%, 59%
XYZ	15.8992, 18.4470, 31.5768
YIQ	113.4980, -36.6330, -2.4010

Conversions

Conversions Part 2

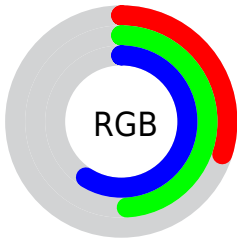
Format	Color
R_{YB}	77, 106, 150
Decimal	5078422
CIE _{Lab}	50.03, -9.13, -18.53
CIE _{LCh}	50, 20.660, 243.766
Yxy	18.4470, 0.2412, 0.2798
Android (android.graphics.Color)	4283268502 (0xFF4D7D96)
YUV	113.4980, 17.9955, -32.0087
Hunter-Lab	42.9500, -9.0854, -13.5250

Details

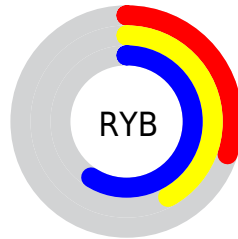
The XYZ color **15.8992, 18.4470, 31.5768** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.6691, 16.5231, 9.2271**, and the grayscale version is **15.8005, 16.6233, 18.1028**.

A 20% lighter version of the original color is **36.0254, 40.9462, 63.1314**, and **5.1458, 6.2292, 12.7355** is the 20% darker color. If you saturate the color by 10%, you get **14.1922, 16.6268, 31.3158**, and if you desaturate by 10%, it is **17.9202, 20.4798, 31.8630**.

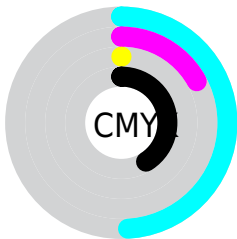
Distribution



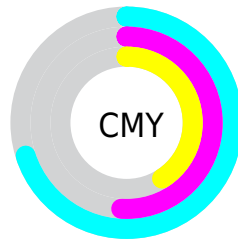
- Red (30%)
- Green (49%)
- Blue (59%)



- Red (30%)
- Yellow (42%)
- Blue (59%)



- Cyan (49%)
- Magenta (17%)
- Yellow (0%)
- Black (41%)



- Cyan (70%)
- Magenta (51%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8992, 18.4470, 31.5768 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 15.8992, 18.4470, 31.5768 by changing the saturation by 10% instead.

■ 15.8992, 18.4470,
31.5768

■ 15.8992, 18.4470,
31.5768

222.0283,
243.3786, 323.6200

■ 9.5432, 11.2714,
20.7763

■ 35.9820, 40.7975,
63.2372

■ 5.1571, 6.2497,
12.7710

■ 50.4395, 56.7413,
84.9343

■ 2.3754, 2.9975,
7.1421

■ 68.3283, 76.3765,
111.1006

■ 0.8329, 1.1304,
3.4714

■ 90.0137, 100.0876,
142.1547

■ 0.0000, 0.0037,
1.3401

■ 115.8610,
128.2589, 178.5151

■ 0.0000, 0.0000,
0.0943

146.2357,

■ 0.0000, 0.0000,

161.2750, 220.6005

0.0000

181.5030,
199.5201, 268.8293

■ 15.8992, 18.4470,
31.5768

■ 15.8992, 18.4470,
31.5768

■ 14.1922, 16.6268,
31.3158

■ 17.9202, 20.4798,
31.8630

■ 12.7773, 15.0060,
31.0775

■ 20.2714, 22.7331,
32.1740

■ 11.6328, 13.5730,
30.8612

■ 22.9702, 25.2169,
32.5112

■ 10.7325, 12.3136,
30.6656

■ 26.0318, 27.9399,
32.8754

■ 10.0221, 11.1989,
30.4879

■ 29.4709, 30.9103,
33.2675

■ 9.9321, 11.0560,
30.4650

■ 33.3012, 34.1357,
33.6882

■ 37.5354, 37.6236,
34.1382

■ 42.1861, 41.3808,
34.6183

■ 47.2649, 45.4142,
35.1292

Harmonies

Analogous

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



14.5471, 18.4470, 26.7965



15.8992, 18.4470, 31.5768



17.7853, 18.4470, 33.0912

Triad

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



15.8992, 18.4470, 31.5768



21.6256, 18.4470, 19.3760



15.4958, 18.4470, 12.2980

Complementary

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



15.8992, 18.4470, 31.5768



18.6691, 16.5231, 9.2271

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.



17.2838, 18.4470, 11.0313



15.8992, 18.4470, 31.5768



20.9026, 18.4470, 14.6007

Square

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



15.8992, 18.4470, 31.5768



21.1858, 18.4470, 25.3171



19.2757, 18.4470, 11.7874



14.3268, 18.4470, 15.6296

Rectangle

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



15.8992, 18.4470, 31.5768



19.1174, 18.4470, 31.8467



19.2757, 18.4470, 11.7874



16.0392, 18.4470, 11.6485

Sweetspot

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



15.8998, 18.4477, 31.5772



42.2843, 46.0729, 57.5856



16.3328, 24.3370, 16.2351



9.1505, 10.0128, 12.7352



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.8998, 18.4477, 31.5772



24.9149, 29.1976, 55.2438



12.1524, 10.9530, 30.3281



5.7986, 6.2311, 7.3668



8.2679, 9.2306, 25.2770



0.1287, 0.1679, 0.3185

Inverse Universe

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



18.9337, 13.2731, 20.9667



31.1109, 19.7636, 33.3203



22.9823, 25.1495, 10.6649



5.9518, 5.8758, 6.8522



12.3003, 6.1252, 10.3285



0.1644, 0.0805, 0.1995

Previews

White Background



This preview shows how the XYZ color 15.8992, 18.4470, 31.5768 looks on a white 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

Black Background



This preview shows how the XYZ color 15.8992, 18.4470, 31.5768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

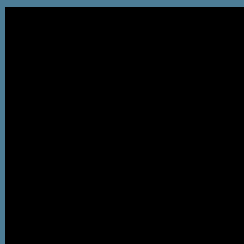
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.8992, 18.4470, 31.5768

Background



This preview shows how black text looks on a background with the XYZ color 15.8992, 18.4470, 31.5768.



This preview shows how white text looks on a background with the XYZ color 15.8992, 18.4470,

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

15.8992, 18.4470, 31.5768

Protanopia

18.1542, 18.2117, 29.3464

Deuteranopia

18.5950, 18.2025, 32.2391



Tritanopia

14.8524, 18.4014, 26.4359

Trichromacy



Original Color

15.8992, 18.4470, 31.5768

Protanomaly

17.1285, 18.1922, 30.2124

Deuteranomaly

17.3283, 18.0807, 31.8548

Tritanomaly

15.1674, 18.3305, 28.3299

Monochromacy



Original Color

15.8992, 18.4470, 31.5768

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.6760, 17.2559, 22.5832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8992, 18.4470, 31.5768 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(77, 125, 150)` looks like.

```
.text, #text, p{  
    color:rgb(77, 125, 150)  
}
```

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(77, 125, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 125, 150) }
```

Border

The CSS property to change the border of an element to XYZ 15.8992, 18.4470, 31.5768 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(77, 125, 150) }
```


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

```
.border{ border-color:rgb(77, 125, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 125, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 125, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 125, 150);  
box-shadow:4px 4px 4px 4px rgb(77, 125,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8992, 18.4470, 31.5768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 125, 150) }
```

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

```
.background{ background-color: rgb(77, 125,  
150) }
```

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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