

Converting Colors

XYZ(16.5213, 18.2308, 30.6651)

Have a look what the booklet for
XYZ(16.5213, 18.2308, 30.6651)
contains.

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Color

**XYZ(16.5213, 18.2308,
30.6651)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7A94
RGB	90, 122, 148
RGB Percent	35%, 48%, 58%
CMY	0.6470, 0.5216, 0.4196
CMYK	0.39, 0.18, 0.00, 0.42
HSL	207°, 24%, 47%
HSV	207°, 39%, 58%
XYZ	16.5213, 18.2308, 30.6651
YIQ	115.3960, -27.4180, 1.3020

Conversions

Conversions Part 2

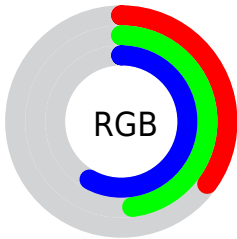
Format	Color
R_{YB}	90, 111, 148
Decimal	5929620
CIE _{Lab}	49.77, -4.47, -17.69
CIE _{LCh}	50, 18.247, 255.824
Yxy	18.2308, 0.2526, 0.2787
Android (android.graphics.Color)	4284119700 (0xFF5A7A94)
YUV	115.3960, 16.0738, -22.2723
Hunter-Lab	42.6975, -5.6523, -12.6934

Details

The XYZ color **16.5213, 18.2308, 30.6651** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.3041, 19.5255, 12.3722**, and the grayscale version is **16.3751, 17.2278, 18.7611**.

A 20% lighter version of the original color is **36.9521, 40.2872, 61.7057**, and **5.4153, 6.0793, 12.1973** is the 20% darker color. If you saturate the color by 10%, you get **14.4356, 15.9876, 30.3424**, and if you desaturate by 10%, it is **18.9504, 20.7344, 31.0206**.

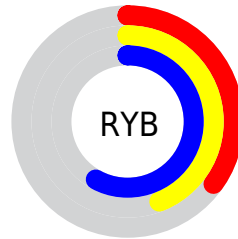
Distribution



Red (35%)

Green (48%)

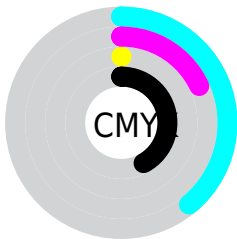
Blue (58%)



Red (35%)

Yellow (44%)

Blue (58%)

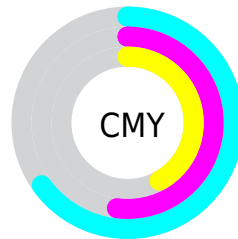


Cyan (39%)

Magenta (18%)

Yellow (0%)

Black (42%)



Cyan (65%)

Magenta (52%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5213, 18.2308, 30.6651 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 16.5213, 18.2308, 30.6651 by changing the saturation by 10% instead.

■ 16.5213, 18.2308,
30.6651

■ 16.5213, 18.2308,
30.6651

225.6089,
242.1687, 319.2957

■ 9.9870, 11.1158,
20.0876

■ 37.0511, 40.4302,
61.7858

■ 5.4525, 6.1448,
12.2741

■ 51.7772, 56.2834,
83.1661

■ 2.5526, 2.9333,
6.8058

■ 69.9646, 75.8182,
108.9845

■ 0.9219, 1.0970,
3.2644

■ 91.9787, 99.4189,
139.6594

■ 0.0000, 0.0000,
1.2311

118.1848,
127.4699, 175.6095

■ 0.0000, 0.0000,
0.0043

148.9483,

■ 0.0000, 0.0000,

160.3556, 217.2532

0.0000

184.6346,
198.4604, 265.0091

■ 16.5213, 18.2308,
30.6651

■ 16.5213, 18.2308,
30.6651

■ 14.4356, 15.9876,
30.3424

■ 18.9504, 20.7344,
31.0206

■ 12.6735, 13.9918,
30.0500

■ 21.7380, 23.5066,
31.4088

■ 11.2153, 12.2319,
29.7872

■ 24.9002, 26.5576,
31.8310

■ 10.0386, 10.6947,
29.5525

■ 28.4517, 29.8964,
32.2883

■ 9.1173, 9.3647,
29.3443

■ 32.4063, 33.5318,
32.7816

■ 8.3924, 8.2099,
29.1596

■ 36.7771, 37.4718,
33.3117

■ 8.3368, 8.1210,
29.1454

■ 41.5765, 41.7244,
33.8796

■ 46.8166, 46.2969,
34.4860

■ 52.5087, 51.1967,
35.1317

Harmonies

Analogous

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



15.0993, 18.2308, 27.5460



16.5213, 18.2308, 30.6651



18.2563, 18.2308, 30.5699

Triad

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



16.5213, 18.2308, 30.6651



20.7502, 18.2308, 17.3504



15.0373, 18.2308, 13.8936

Complementary

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



16.5213, 18.2308, 30.6651



20.3041, 19.5255, 12.3722

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.



16.4314, 18.2308, 11.9849



16.5213, 18.2308, 30.6651



19.7655, 18.2308, 13.7406

Square

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



16.5213, 18.2308, 30.6651



20.7783, 18.2308, 22.2906



18.1602, 18.2308, 11.9340



14.2822, 18.2308, 17.5949

Rectangle

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



16.5213, 18.2308, 30.6651



19.3608, 18.2308, 28.6772



18.1602, 18.2308, 11.9340



15.4424, 18.2308, 13.0505

Sweetspot

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



16.5219, 18.2315, 30.6655



42.1601, 45.1627, 55.9298



17.9091, 24.5948, 20.0639



9.4754, 10.1666, 12.7478



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.



16.5219, 18.2315, 30.6655



25.8985, 28.6793, 53.6052



13.5532, 12.2942, 29.6760



5.7488, 6.1315, 7.3503



7.1483, 6.9914, 24.9038



0.1170, 0.1445, 0.3146

Inverse Universe

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



19.3823, 15.0140, 20.2894



31.8201, 22.7196, 31.9675



24.0521, 27.0214, 13.6215



5.9266, 5.8657, 6.7198



11.7352, 5.8991, 7.3526



0.1585, 0.0782, 0.1683

Previews

White Background



This preview shows how the XYZ color 16.5213, 18.2308, 30.6651 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 16.5213, 18.2308, 30.6651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

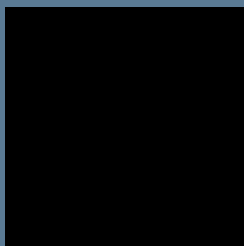
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

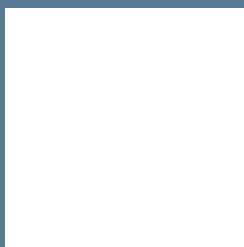
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.5213, 18.2308, 30.6651

Background



This preview shows how black text looks on a background with the XYZ color 16.5213, 18.2308, 30.6651.



This preview shows how white text looks on a background with the XYZ color 16.5213, 18.2308,

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

16.5213, 18.2308, 30.6651

Protanopia

18.0774, 18.1809, 28.9420

Deuteranopia

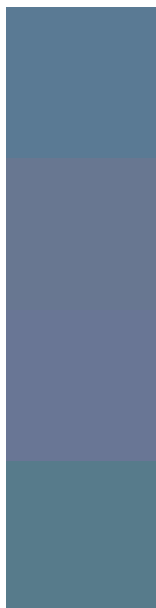
18.4803, 18.1714, 30.9672



Tritanopia

15.3485, 18.1150, 25.2418

Trichromacy



Original Color

16.5213, 18.2308, 30.6651

Protanomaly

17.4166, 18.1810, 29.3794

Deuteranomaly

17.7289, 18.1301, 30.9988

Tritanomaly

15.6736, 18.0562, 27.0852

Monochromacy



Original Color

16.5213, 18.2308, 30.6651

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.2531, 17.5533, 22.6102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5213, 18.2308, 30.6651 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(90, 122, 148) looks like.

```
.text, #text, p{  
    color:rgb(90, 122, 148)  
}
```

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(90, 122, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 122, 148) }
```

Border

The CSS property to change the border of an element to XYZ 16.5213, 18.2308, 30.6651 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(90, 122, 148) }
```


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

```
.border{ border-color:rgb(90, 122, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 122, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 122, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 122, 148);  
box-shadow:4px 4px 4px 4px rgb(90, 122,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5213, 18.2308, 30.6651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 122, 148) }
```

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

```
.background{ background-color: rgb(90, 122,  
148) }
```

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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