

Converting Colors

XYZ(18.4324, 22.0376, 35.3573)

Have a look what the booklet for
XYZ(18.4324, 22.0376, 35.3573)
contains.

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Color

**XYZ(18.4248, 22.0750,
35.1881)**

Conversions

Conversions Part 1

Format	Color
Hex	51899D
RGB	81, 137, 157
RGB Percent	32%, 54%, 62%
CMY	0.6823, 0.4627, 0.3843
CMYK	0.48, 0.13, 0.00, 0.38
HSL	196°, 32%, 47%
HSV	196°, 48%, 62%
XYZ	18.4248, 22.0750, 35.1881
YIQ	122.5360, -39.7960, -5.6520

Conversions

Conversions Part 2

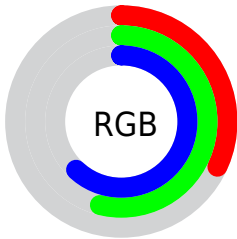
Format	Color
R_{YB}	81, 113, 157
Decimal	5343645
CIE _{Lab}	54.11, -12.81, -16.38
CIE _{LCh}	54, 20.791, 231.965
Yxy	22.0750, 0.2434, 0.2917
Android (android.graphics.Color)	4283533725 (0xFF51899D)
YUV	122.5360, 16.9908, -36.4271
Hunter-Lab	46.9840, -12.2233, -11.5157

Details

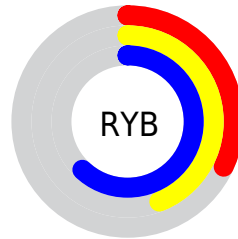
The XYZ color **18.4248, 22.0750, 35.1881** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.0440, 17.0700, 10.0236**, and the grayscale version is **18.6301, 19.6003, 21.3447**.

A 20% lighter version of the original color is **40.2888, 46.7313, 69.1839**, and **6.3864, 8.0512, 14.8531** is the 20% darker color. If you saturate the color by 10%, you get **16.6559, 20.3083, 34.9407**, and if you desaturate by 10%, it is **20.5287, 24.0487, 35.4586**.

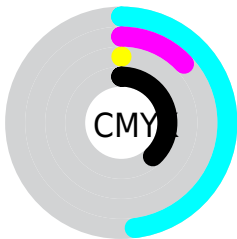
Distribution



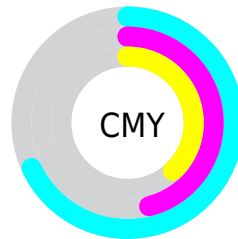
- Red (32%)
- Green (54%)
- Blue (62%)



- Red (32%)
- Yellow (44%)
- Blue (62%)



- Cyan (48%)
- Magenta (13%)
- Yellow (0%)
- Black (38%)



- Cyan (68%)
- Magenta (46%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4248, 22.0750, 35.1881 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 18.4248, 22.0750, 35.1881 by changing the saturation by 10% instead.

■ 18.4248, 22.0750,
35.1881

■ 18.4248, 22.0750,
35.1881

236.2542,
262.9377, 340.3273

■ 11.3569, 13.9120,
23.5231

■ 40.2843, 46.8699,
68.9319

■ 6.3765, 8.0595,
14.7713

■ 55.8066, 64.2707,
91.8478

■ 3.1182, 4.1330,
8.5142

■ 74.8778, 85.5194,
119.3511

■ 1.2166, 1.7483,
4.3332

■ 97.8632, 111.0006,
151.8604

■ 0.1194, 0.4546,
1.8099

■ 125.1282,
141.0987, 189.7940

■ 0.0000, 0.0000,
0.4345

157.0381,

■ 0.0000, 0.0000,

176.1979, 233.5707

0.0000

193.9584,
216.6828, 283.6090

■ 18.4248, 22.0750,
35.1881

■ 18.4248, 22.0750,
35.1881

■ 16.6559, 20.3083,
34.9407

■ 20.5287, 24.0487,
35.4586

■ 15.1978, 18.7344,
34.7138

■ 22.9854, 26.2376,
35.7516

■ 14.0265, 17.3410,
34.5066

■ 25.8138, 28.6522,
36.0686

■ 13.1131, 16.1128,
34.3176

■ 29.0310, 31.3017,
36.4104

■ 12.4025, 15.0211,
34.1444

■ 32.6529, 34.1946,
36.7779

■ 12.2952, 14.8531,
34.1176

■ 36.6944, 37.3389,
37.1718

■ 41.1696, 40.7424,
37.5929

■ 46.0923, 44.4123,
38.0418

■ 51.4751, 48.3557,
38.5192

Harmonies

Analogous

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



17.2161, 22.0750, 28.9800



18.4248, 22.0750, 35.1881



20.3821, 22.0750, 38.5275

Triad

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



18.4248, 22.0750, 35.1881



25.5686, 22.0750, 25.8116



19.4031, 22.0750, 14.2707

Complementary

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



18.4248, 22.0750, 35.1881



20.0440, 17.0700, 10.0236

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.



21.5928, 22.0750, 13.7277



18.4248, 22.0750, 35.1881



25.2597, 22.0750, 19.6888

Square

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



18.4248, 22.0750, 35.1881



24.5808, 22.0750, 32.5164



23.7647, 22.0750, 15.5307



17.7521, 22.0750, 17.1753

Rectangle

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



18.4248, 22.0750, 35.1881



21.8923, 22.0750, 38.3255



23.7647, 22.0750, 15.5307



20.0965, 22.0750, 13.8297

Sweetspot

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



18.4255, 22.0758, 35.1886



47.9494, 52.7458, 64.7805



17.7511, 26.7839, 16.2915



10.3126, 11.4081, 14.2288



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.4255, 22.0758, 35.1886



29.6251, 36.1582, 62.5446



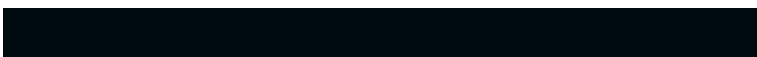
14.0369, 13.2987, 33.7258



6.6741, 7.2139, 8.4473



10.0171, 12.1257, 27.7198



0.2112, 0.2810, 0.5063

Inverse Universe

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



21.3630, 14.8597, 25.4101



35.7339, 22.4539, 41.9172



24.4788, 25.9397, 11.5019



6.8296, 6.7247, 7.9536



13.8544, 6.8463, 14.0160



0.2639, 0.1289, 0.3360

Previews

White Background



This preview shows how the XYZ color 18.4248, 22.0750, 35.1881 looks on a white background.

Color Contrast Check

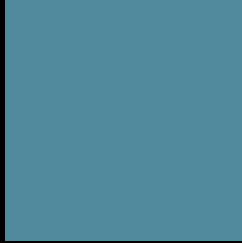
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4248, 22.0750, 35.1881 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 18.4248, 22.0750, 35.1881

Background



This preview shows how black text looks on a background with the XYZ color 18.4248, 22.0750, 35.1881.



This preview shows how white text looks on a background with the XYZ color 18.4248, 22.0750,

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

18.4248, 22.0750, 35.1881

Protanopia

21.6173, 21.9578, 32.3771

Deuteranopia

22.3230, 21.8605, 35.8438



Tritanopia

17.7377, 22.0091, 31.7471

Trichromacy



Original Color

18.4248, 22.0750, 35.1881

Protanomaly

20.0504, 21.7207, 33.2727

Deuteranomaly

20.5846, 21.7489, 35.4608

Tritanomaly

18.0642, 22.1494, 33.0289

Monochromacy



Original Color

18.4248, 22.0750, 35.1881

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.2767, 20.3758, 25.8913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4248, 22.0750, 35.1881 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(81, 137, 157)` looks like.

```
.text, #text, p{  
    color:rgb(81, 137, 157)  
}
```

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(81, 137, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 137, 157) }
```

Border

The CSS property to change the border of an element to XYZ 18.4248, 22.0750, 35.1881 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(81, 137, 157) }
```


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

```
.border{ border-color:rgb(81, 137, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 137, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 137, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 137, 157);  
box-shadow:4px 4px 4px 4px rgb(81, 137,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4248, 22.0750, 35.1881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 137, 157) }
```

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

```
.background{ background-color: rgb(81, 137,  
157) }
```

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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