

Converting Colors

XYZ(16.4158, 20.4183, 21.8766)

Have a look what the booklet for
XYZ(16.4158, 20.4183, 21.8766)
contains.

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Color

**XYZ(16.4769, 20.5323,
21.8336)**

Conversions

Conversions Part 1

Format	Color
Hex	5D857B
RGB	93, 133, 123
RGB Percent	36%, 52%, 48%
CMY	0.6353, 0.4784, 0.5176
CMYK	0.30, 0.00, 0.08, 0.48
HSL	165°, 18%, 44%
HSV	165°, 30%, 52%
XYZ	16.4769, 20.5323, 21.8336
YIQ	119.9000, -20.6300, -11.5900

Conversions

Conversions Part 2

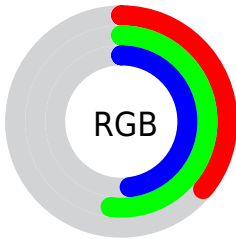
Format	Color
R_{YB}	93, 116, 133
Decimal	6129019
CIE _{Lab}	52.43, -16.18, 0.93
CIE _{LCh}	52, 16.206, 176.722
Yxy	20.5323, 0.2800, 0.3489
Android (android.graphics.Color)	4284319099 (0xFF5D857B)
YUV	119.9000, 1.5283, -23.5913
Hunter-Lab	45.3126, -14.3895, 3.1503

Details

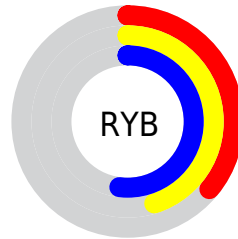
The XYZ color **16.4769, 20.5323, 21.8336** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.0361, 13.7951, 14.6504**, and the grayscale version is **17.8211, 18.7492, 20.4179**.

A 20% lighter version of the original color is **36.7984, 44.1422, 47.1383**, and **5.4115, 7.2388, 7.5906** is the 20% darker color. If you saturate the color by 10%, you get **15.0415, 19.8165, 20.6984**, and if you desaturate by 10%, it is **18.1547, 21.3733, 23.0179**.

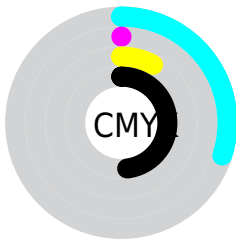
Distribution



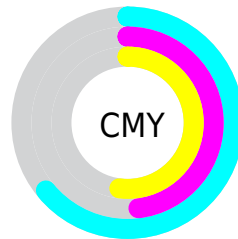
- Red (36%)
- Green (52%)
- Blue (48%)



- Red (36%)
- Yellow (45%)
- Blue (52%)



- Cyan (30%)
- Magenta (0%)
- Yellow (8%)
- Black (48%)



- Cyan (64%)
- Magenta (48%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4769, 20.5323, 21.8336 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 16.4769, 20.5323, 21.8336 by changing the saturation by 10% instead.

■ 16.4769, 20.5323,
21.8336

■ 16.4769, 20.5323,
21.8336

225.3551,
254.7824, 274.6012

■ 9.9552, 12.7826,
13.5375

■ 36.9750, 44.3078,
47.3695

■ 5.4313, 7.2790,
7.6647

■ 51.6821, 61.1024,
65.4464

■ 2.5398, 3.6372,
3.7965

■ 69.8484, 81.6808,
87.6206

■ 0.9154, 1.4728,
1.5144

■ 91.8392, 106.4272,
114.3108

■ 0.0000, 0.2694,
0.2286

118.0199,
135.7262, 145.9354

■ 0.0000, 0.0000,
0.0000

148.7559,

169.9622, 182.9129

184.4125,
209.5194, 225.6620

■ 16.4769, 20.5323,
21.8336

■ 16.4769, 20.5323,
21.8336

■ 15.0415, 19.8165,
20.6984

■ 18.1547, 21.3733,
23.0179

■ 13.8346, 19.2172,
19.6100

■ 20.0845, 22.3429,
24.2509

■ 12.8434, 18.7282,
18.5680

■ 22.2775, 23.4473,
25.5338

■ 12.0533, 18.3422,
17.5711

■ 24.7436, 24.6916,
26.8675

■ 11.4478, 18.0505,
16.6184

■ 27.4922, 26.0808,
28.2528

■ 11.0074, 17.8431,
15.7085

■ 30.5325, 27.6194,
29.6903

■ 10.6759, 17.6910,
14.8446

■ 33.8729, 29.3119,
31.1809

■ 37.5217, 31.1626,
32.7252

■ 41.4868, 33.1754,
34.3240

Harmonies

Analogous

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



16.9478, 20.5323, 17.6729



16.4769, 20.5323, 21.8336



16.7809, 20.5323, 26.7597

Triad

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



16.4769, 20.5323, 21.8336



20.9978, 20.5323, 31.6352



21.3340, 20.5323, 15.5051

Complementary

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



16.4769, 20.5323, 21.8336



16.0361, 13.7951, 14.6504

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.



22.5317, 20.5323, 18.4644



16.4769, 20.5323, 21.8336



22.3299, 20.5323, 27.8014

Square

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



16.4769, 20.5323, 21.8336



19.3320, 20.5323, 32.8721



22.9061, 20.5323, 22.8870



19.6998, 20.5323, 14.3626

Rectangle

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



16.4769, 20.5323, 21.8336



17.3922, 20.5323, 29.7561



22.9061, 20.5323, 22.8870



21.8045, 20.5323, 16.2977

Sweetspot

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



16.4775, 20.5331, 21.8341



36.2887, 40.1723, 43.6231



16.0343, 20.4894, 13.4660



8.0703, 8.9975, 9.7638



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.4775, 20.5331, 21.8341



27.7266, 35.8802, 37.7181



15.9144, 18.3533, 24.8951



4.7532, 5.2595, 5.7115



10.1719, 16.8516, 14.1565



0.0382, 0.0595, 0.0644

Inverse Universe

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



16.0361, 13.7951, 14.6504



26.8077, 21.8150, 22.7347



16.4335, 15.3459, 12.4522



4.7168, 4.7064, 5.1211



9.4814, 4.8569, 1.8414



0.0354, 0.0179, 0.0199

Previews

White Background



This preview shows how the XYZ color 16.4769, 20.5323, 21.8336 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 16.4769, 20.5323, 21.8336 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

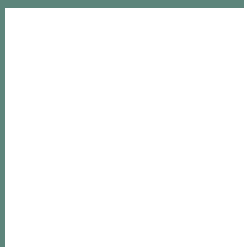
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4769, 20.5323, 21.8336

Background



This preview shows how black text looks on a background with the XYZ color 16.4769, 20.5323, 21.8336.

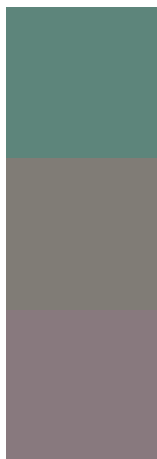


This preview shows how white text looks on a background with the XYZ color 16.4769, 20.5323,

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

16.4769, 20.5323, 21.8336

Protanopia

19.3798, 20.3125, 20.0388

Deuteranopia

20.7566, 20.4153, 22.5852



Tritanopia

17.7201, 20.4297, 28.2087

Trichromacy



Original Color

16.4769, 20.5323, 21.8336

Protanomaly

18.0498, 20.1796, 20.7130

Deuteranomaly

18.7810, 20.1410, 22.2998

Tritanomaly

17.2432, 20.4406, 25.5909

Monochromacy



Original Color

16.4769, 20.5323, 21.8336

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.2152, 19.3627, 20.9192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4769, 20.5323, 21.8336 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(93, 133, 123) looks like.

```
.text, #text, p{  
    color:rgb(93, 133, 123)  
}
```

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(93, 133, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 133, 123) }
```

Border

The CSS property to change the border of an element to XYZ 16.4769, 20.5323, 21.8336 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(93, 133, 123) }
```


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

```
.border{ border-color:rgb(93, 133, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 133, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 133, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 133, 123);  
box-shadow:4px 4px 4px 4px rgb(93, 133,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4769, 20.5323, 21.8336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 133, 123) }
```

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

```
.background{ background-color: rgb(93, 133,  
123) }
```

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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