

Converting Colors

XYZ(20.4736, 23.4148, 29.5205)

Have a look what the booklet for
XYZ(20.4736, 23.4148, 29.5205)
contains.

XYZ(20.4768, 23.4751, 29.4385)	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(20.4768, 23.4751,
29.4385)**

Conversions

Conversions Part 1

Format	Color
Hex	6E8A8F
RGB	110, 138, 143
RGB Percent	43%, 54%, 56%
CMY	0.5686, 0.4588, 0.4392
CMYK	0.23, 0.03, 0.00, 0.44
HSL	189°, 13%, 50%
HSV	189°, 23%, 56%
XYZ	20.4768, 23.4751, 29.4385
YIQ	130.1980, -18.2930, -4.3810

Conversions

Conversions Part 2

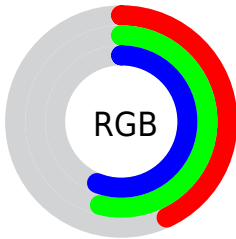
Format	Color
R_{YB}	110, 125, 143
Decimal	7244431
CIE _{Lab}	55.56, -8.70, -5.95
CIE _{LCh}	56, 10.540, 214.357
Yxy	23.4751, 0.2790, 0.3199
Android (android.graphics.Color)	4285434511 (0xFF6E8A8F)
YUV	130.1980, 6.3114, -17.7136
Hunter-Lab	48.4511, -9.3503, -2.1083

Details

The XYZ color **20.4768, 23.4751, 29.4385** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.2731, 19.2270, 17.3950**, and the grayscale version is **21.2717, 22.3795, 24.3712**.

A 20% lighter version of the original color is **43.6091, 48.9742, 59.9778**, and **7.3900, 8.7619, 11.6576** is the 20% darker color. If you saturate the color by 10%, you get **18.5317, 22.0162, 29.2598**, and if you desaturate by 10%, it is **22.7166, 25.0963, 29.6338**.

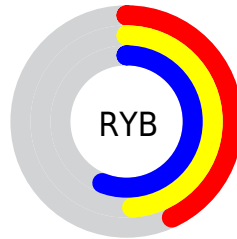
Distribution



Red (43%)

Green (54%)

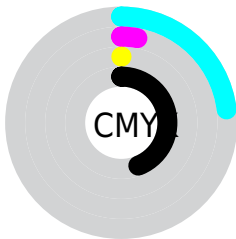
Blue (56%)



Red (43%)

Yellow (49%)

Blue (56%)

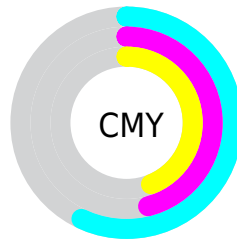


Cyan (23%)

Magenta (3%)

Yellow (0%)

Black (44%)



Cyan (57%)

Magenta (46%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4768, 23.4751, 29.4385 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 20.4768, 23.4751, 29.4385 by changing the saturation by 10% instead.

■ 20.4768, 23.4751,
29.4385

■ 20.4768, 23.4751,
29.4385

247.2694,
270.1559, 313.4038

■ 12.8524, 14.9447,
19.1644

■ 43.7130, 49.1723,
59.8235

■ 7.4033, 8.7806,
11.6111

■ 60.0555, 67.1078,
80.7715

■ 3.7641, 4.5983,
6.3601

■ 80.0347, 88.9473,
106.1145

■ 1.5696, 2.0136,
2.9930

■ 104.0161,
115.0749, 136.2711

■ 0.3725, 0.6153,
1.0910

132.3649,
145.8752, 171.6597

■ 0.0000, 0.0000,
0.0000

165.4464,

181.7326, 212.6990

203.6262,
223.0313, 259.8075

■ 20.4768, 23.4751,
29.4385

■ 20.4768, 23.4751,
29.4385

■ 18.5317, 22.0162,
29.2598

■ 22.7166, 25.0963,
29.6338

■ 16.8655, 20.7097,
29.0954

■ 25.2620, 26.8837,
29.8446

■ 15.4640, 19.5486,
28.9452

■ 28.1256, 28.8445,
30.0721

■ 14.3108, 18.5247,
28.8083

■ 31.3190, 30.9846,
30.3169

■ 13.3877, 17.6283,
28.6840

■ 34.8530, 33.3097,
30.5794

■ 12.6740, 16.8489,
28.5712

■ 38.7379, 35.8252,
30.8602

■ 12.1452, 16.1736,
28.4687

■ 42.9837, 38.5362,
31.1597

■ 11.8369, 15.7411,
28.4014

■ 47.5998, 41.4477,
31.4784

■ 52.5954, 44.5644,
31.8167

Harmonies

Analogous

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



20.1084, 23.4751, 26.0613



20.4768, 23.4751, 29.4385



21.3370, 23.4751, 31.9327

Triad

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



20.4768, 23.4751, 29.4385



24.4387, 23.4751, 28.5015



22.1391, 23.4751, 19.5690

Complementary

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



20.4768, 23.4751, 29.4385



20.2731, 19.2270, 17.3950

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.



23.3170, 23.4751, 20.0978



20.4768, 23.4751, 29.4385



24.6718, 23.4751, 25.0660

Square

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



20.4768, 23.4751, 29.4385



23.6283, 23.4751, 31.3589



24.2545, 23.4751, 22.0388



21.0462, 23.4751, 20.5248

Rectangle

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



20.4768, 23.4751, 29.4385



22.0882, 23.4751, 32.6496



24.2545, 23.4751, 22.0388



22.5381, 23.4751, 19.5797

Sweetspot

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



20.4775, 23.4761, 29.4390



43.3161, 46.8037, 53.2890



19.3449, 24.1970, 19.8560



9.8807, 10.6962, 12.2160



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.4775, 23.4761, 29.4390



34.6861, 40.5647, 52.5396



18.2932, 19.1075, 28.7109



5.4917, 5.9791, 6.8934



10.4780, 13.9420, 25.1159



0.1124, 0.1577, 0.2442

Inverse Universe

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



21.4916, 18.8270, 26.5471



36.8767, 30.7405, 46.2439



22.3195, 23.3196, 18.0771



5.5916, 5.4972, 6.6136



13.0919, 6.3938, 16.6673



0.1313, 0.0636, 0.1918

Previews

White Background



This preview shows how the XYZ color 20.4768, 23.4751, 29.4385 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 20.4768, 23.4751, 29.4385 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

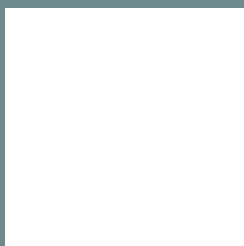
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4768, 23.4751, 29.4385

Background



This preview shows how black text looks on a background with the XYZ color 20.4768, 23.4751, 29.4385.



This preview shows how white text looks on a background with the XYZ color 20.4768, 23.4751,

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

20.4768, 23.4751, 29.4385

Protanopia

22.5843, 23.3532, 27.7434

Deuteranopia

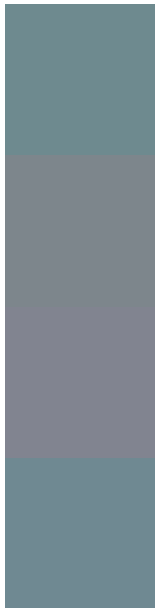
23.7763, 23.3203, 30.0362



Tritanopia

20.8465, 23.4089, 31.4366

Trichromacy



Original Color

20.4768, 23.4751, 29.4385

Protanomaly

21.7162, 23.3036, 28.1644

Deuteranomaly

22.3386, 23.1833, 29.6830

Tritanomaly

20.6895, 23.3462, 30.6099

Monochromacy



Original Color

20.4768, 23.4751, 29.4385

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.9291, 22.7353, 26.2069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4768, 23.4751, 29.4385 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(110, 138, 143)` looks like.

```
.text, #text, p{  
    color:rgb(110, 138, 143)  
}
```

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(110, 138, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 138, 143) }
```

Border

The CSS property to change the border of an element to XYZ 20.4768, 23.4751, 29.4385 is called "border". The border property can be set on classes, ids or directly on the HTML element.

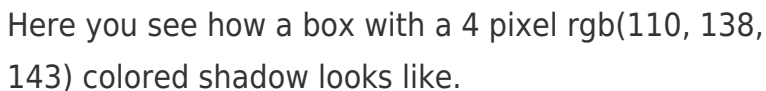
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 138, 143) }
```


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

```
.border{ border-color:rgb(110, 138, 143) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 138, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 138, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 138, 143);  
box-shadow:4px 4px 4px 4px rgb(110, 138,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4768, 23.4751, 29.4385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 138, 143) }
```

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

```
.background{ background-color: rgb(110,  
138, 143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor