

Converting Colors

XYZ(19.6416, 23.4408, 29.6296)

Have a look what the booklet for
XYZ(19.6416, 23.4408, 29.6296)
contains.

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Color

**XYZ(19.5915, 23.4487,
29.4801)**

Conversions

Conversions Part 1

Format	Color
Hex	648C8F
RGB	100, 140, 143
RGB Percent	39%, 55%, 56%
CMY	0.6078, 0.4510, 0.4392
CMYK	0.30, 0.02, 0.00, 0.44
HSL	184°, 18%, 48%
HSV	184°, 30%, 56%
XYZ	19.5915, 23.4487, 29.4801
YIQ	128.3820, -24.8030, -7.5470

Conversions

Conversions Part 2

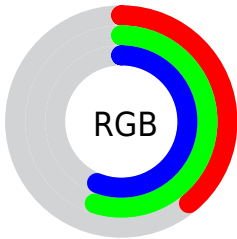
Format	Color
R_{YB}	100, 121, 143
Decimal	6589583
CIE _{Lab}	55.53, -12.97, -6.06
CIE _{LCh}	56, 14.313, 205.028
Yxy	23.4487, 0.2702, 0.3233
Android (android.graphics.Color)	4284779663 (0xFF648C8F)
YUV	128.3820, 7.2067, -24.8910
Hunter-Lab	48.4239, -12.5236, -2.1986

Details

The XYZ color **19.5915, 23.4487, 29.4801** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.4784, 16.4602, 14.2601**, and the grayscale version is **20.6329, 21.7074, 23.6394**.

A 20% lighter version of the original color is **42.3187, 49.2902, 60.1068**, and **6.9972, 8.8064, 11.6869** is the 20% darker color. If you saturate the color by 10%, you get **18.0018, 22.4144, 29.3646**, and if you desaturate by 10%, it is **21.4616, 24.6306, 29.6101**.

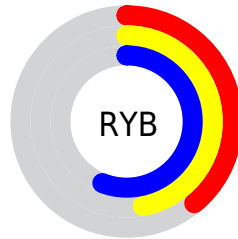
Distribution



Red (39%)

Green (55%)

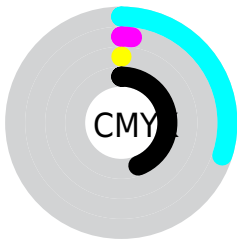
Blue (56%)



Red (39%)

Yellow (47%)

Blue (56%)

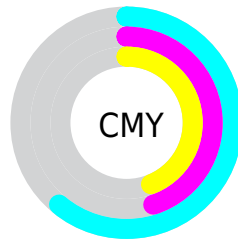


Cyan (30%)

Magenta (2%)

Yellow (0%)

Black (44%)



Cyan (61%)

Magenta (45%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5915, 23.4487, 29.4801 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 19.5915, 23.4487, 29.4801 by changing the saturation by 10% instead.

■ 19.5915, 23.4487,
29.4801

■ 19.5915, 23.4487,
29.4801

242.5709,
270.0213, 313.6050

■ 12.2050, 14.9252,
19.1956

■ 42.2404, 49.1290,
59.8903

■ 6.9566, 8.7669,
11.6335

■ 58.2335, 67.0547,
80.8530

■ 3.4811, 4.5894,
6.3751

■ 77.8263, 88.8831,
106.2123

■ 1.4130, 2.0085,
3.0020

■ 101.3839,
114.9987, 136.3866

■ 0.2654, 0.6124,
1.0957

129.2718,
145.7860, 171.7945

■ 0.0000, 0.0000,
0.0000

161.8554,

181.6292, 212.8545

199.5000,
222.9129, 259.9852

■ 19.5915, 23.4487,
29.4801

■ 19.5915, 23.4487,
29.4801

■ 18.0018, 22.4144,
29.3646

■ 21.4616, 24.6306,
29.6101

■ 16.6758, 21.5175,
29.2614

■ 23.6234, 25.9643,
29.7535

■ 15.5985, 20.7507,
29.1702

■ 26.0902, 27.4572,
29.9117

■ 14.7522, 20.1050,
29.0902

■ 28.8739, 29.1154,
30.0850

■ 14.1172, 19.5701,
29.0204

■ 31.9857, 30.9448,
30.2741

■ 13.6702, 19.1341,
28.9598

■ 35.4362, 32.9507,
30.4795

■ 13.3497, 18.7667,
28.9057

■ 39.2356, 35.1385,
30.7015

■ 43.3937, 37.5132,
30.9407

■ 47.9199, 40.0797,
31.1975

Harmonies

Analogous

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



19.3359, 23.4487, 24.7690



19.5915, 23.4487, 29.4801



20.5551, 23.4487, 33.5306

Triad

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



19.5915, 23.4487, 29.4801



24.9287, 23.4487, 30.9732



22.5574, 23.4487, 17.6602

Complementary

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



19.5915, 23.4487, 29.4801



18.4784, 16.4602, 14.2601

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.



24.1141, 23.4487, 18.9182



19.5915, 23.4487, 29.4801



25.5247, 23.4487, 26.3098

Square

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



19.5915, 23.4487, 29.4801



23.6264, 23.4487, 34.4629



25.2197, 23.4487, 21.9525



20.9998, 23.4487, 18.2944

Rectangle

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



19.5915, 23.4487, 29.4801



21.4950, 23.4487, 35.1180



25.2197, 23.4487, 21.9525



23.0988, 23.4487, 17.8709

Sweetspot

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



19.5922, 23.4496, 29.4806



42.6714, 46.7208, 53.3070



17.5198, 23.3313, 16.3772



9.6593, 10.6371, 12.2163



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.



19.5922, 23.4496, 29.4806



33.1265, 40.7254, 52.6529



16.7671, 17.7994, 28.5389



5.5285, 6.0529, 6.9057



11.8097, 16.6055, 25.5598



0.1192, 0.1713, 0.2465

Inverse Universe

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



20.6190, 16.8478, 26.9773



35.2888, 27.0398, 47.3327



20.8820, 21.2675, 15.0613



5.6103, 5.5046, 6.7116



13.7641, 6.6627, 20.2070



0.1347, 0.0650, 0.2098

Previews

White Background



This preview shows how the XYZ color 19.5915, 23.4487, 29.4801 looks on a white background.

Color Contrast Check

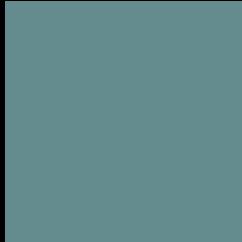
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5915, 23.4487, 29.4801 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 19.5915, 23.4487, 29.4801

Background



This preview shows how black text looks on a background with the XYZ color 19.5915, 23.4487, 29.4801.

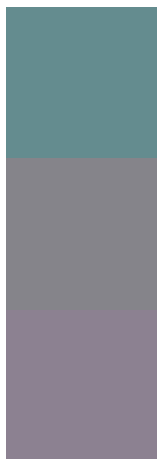


This preview shows how white text looks on a background with the XYZ color 19.5915, 23.4487,

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

19.5915, 23.4487, 29.4801

Protanopia

22.5116, 23.3241, 27.3603

Deuteranopia

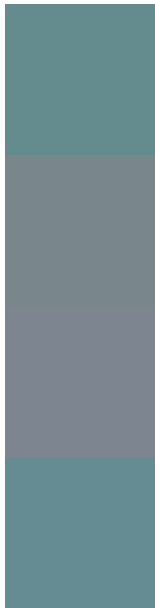
23.7763, 23.3203, 30.0362



Tritanopia

20.2171, 23.4920, 32.3230

Trichromacy



Original Color

19.5915, 23.4487, 29.4801

Protanomaly

21.2828, 23.2863, 28.1839

Deuteranomaly

21.8790, 23.1486, 29.7005

Tritanomaly

19.8659, 23.3385, 31.0615

Monochromacy



Original Color

19.5915, 23.4487, 29.4801

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.9561, 22.0475, 25.3941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5915, 23.4487, 29.4801 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(100, 140, 143)` looks like.

```
.text, #text, p{  
    color:rgb(100, 140, 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(100, 140, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 140, 143) }
```

Border

The CSS property to change the border of an element to XYZ 19.5915, 23.4487, 29.4801 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(100, 140, 143) }
```


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

```
.border{ border-color:rgb(100, 140, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 140, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 140, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 140, 143);  
box-shadow:4px 4px 4px 4px rgb(100, 140,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5915, 23.4487, 29.4801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 140, 143) }
```

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

```
.background{ background-color: rgb(100,  
140, 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](#).

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