

Converting Colors

XYZ(18.4856, 20.1664, 40.1110)

Have a look what the booklet for
XYZ(18.4856, 20.1664, 40.1110)
contains.

XYZ(18.4432, 20.1503, 39.9631)	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(18.4432, 20.1503,
39.9631)**

Conversions

Conversions Part 1

Format	Color
Hex	5480A8
RGB	84, 128, 168
RGB Percent	33%, 50%, 66%
CMY	0.6706, 0.4980, 0.3412
CMYK	0.50, 0.24, 0.00, 0.34
HSL	209°, 33%, 49%
HSV	209°, 50%, 66%
XYZ	18.4432, 20.1503, 39.9631
YIQ	119.4040, -39.0640, 3.1120

Conversions

Conversions Part 2

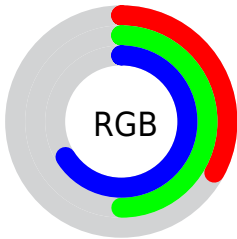
Format	Color
R _Y B	84, 113, 168
Decimal	5537960
CIE Lab	52.01, -3.66, -25.94
CIE LCh	52, 26.200, 261.963
Yxy	20.1503, 0.2348, 0.2565
Android (android.graphics.Color)	4283728040 (0xFF5480A8)
YUV	119.4040, 23.9578, -31.0493
Hunter-Lab	44.8891, -5.2171, -21.3613

Details

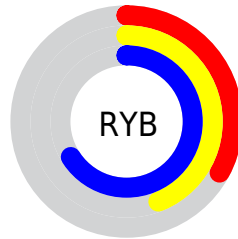
The XYZ color **18.4432, 20.1503, 39.9631** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.9570, 23.3810, 11.5859**, and the grayscale version is **17.5985, 18.5149, 20.1628**.

A 20% lighter version of the original color is **40.3244, 43.7787, 76.1369**, and **6.4004, 7.0859, 17.5534** is the 20% darker color. If you saturate the color by 10%, you get **16.1134, 17.4611, 39.5672**, and if you desaturate by 10%, it is **21.2173, 23.1915, 40.4043**.

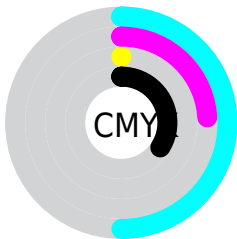
Distribution



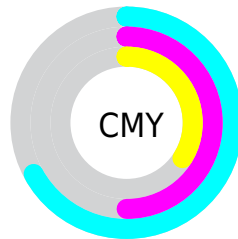
- Red (33%)
- Green (50%)
- Blue (66%)



- Red (33%)
- Yellow (44%)
- Blue (66%)



- Cyan (50%)
- Magenta (24%)
- Yellow (0%)
- Black (34%)



- Cyan (67%)
- Magenta (50%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4432, 20.1503, 39.9631 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 18.4432, 20.1503, 39.9631 by changing the saturation by 10% instead.

■ 18.4432, 20.1503,
39.9631

■ 18.4432, 20.1503,
39.9631

236.3550,
252.7276, 361.5155

■ 11.3703, 12.5043,
27.1962

■ 40.3153, 43.6690,
76.3438

■ 6.3856, 7.0881,
17.4869

■ 55.8451, 60.3106,
100.7947

■ 3.1238, 3.5173,
10.4166

■ 74.9247, 80.7195,
129.9773

■ 1.2196, 1.4074,
5.5669

■ 97.9192, 105.2801,
164.3102

■ 0.1217, 0.2222,
2.5190

■ 125.1942,
134.3768, 204.2119

■ 0.0000, 0.0000,
0.8502

157.1149,

■ 0.0000, 0.0000,

168.3940, 250.1010

0.0000

194.0467,
207.7162, 302.3960

■ 18.4432, 20.1503,
39.9631

■ 18.4432, 20.1503,
39.9631

■ 16.1134, 17.4611,
39.5672

■ 21.2173, 23.1915,
40.4043

■ 14.1977, 15.1044,
39.2133

■ 24.4591, 26.5982,
40.8910

■ 12.6651, 13.0616,
38.8997

■ 28.1926, 30.3860,
41.4253

■ 11.4786, 11.3106,
38.6243

■ 32.4396, 34.5684,
42.0088

■ 10.5579, 9.8069,
38.3826

■ 37.2204, 39.1586,
42.6428

■ 10.5577, 9.8066,
38.3826

■ 42.5542, 44.1688,
43.3287

■ 48.4592, 49.6106,
44.0679

■ 54.9527, 55.4954,
44.8615

■ 62.0514, 61.8340,
45.7108

Harmonies

Analogous

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



16.1590, 20.1503, 35.6824



18.4432, 20.1503, 39.9631



21.1379, 20.1503, 38.6023

Triad

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



18.4432, 20.1503, 39.9631



24.3207, 20.1503, 16.8864



15.3856, 20.1503, 14.0684

Complementary

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



18.4432, 20.1503, 39.9631



24.9570, 23.3810, 11.5859

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.



17.2950, 20.1503, 10.9315



18.4432, 20.1503, 39.9631



22.4940, 20.1503, 12.2755

Square

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



18.4432, 20.1503, 39.9631



24.7006, 20.1503, 24.0614



19.8793, 20.1503, 10.3617



14.5040, 20.1503, 19.9476

Rectangle

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



18.4432, 20.1503, 39.9631



22.7954, 20.1503, 34.7941



19.8793, 20.1503, 10.3617



15.9196, 20.1503, 12.7205

Sweetspot

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



18.4439, 20.1510, 39.9636



54.6803, 58.6329, 75.6604



21.2471, 31.3257, 23.7320



11.5848, 12.4501, 16.4447



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.4439, 20.1510, 39.9636



28.8204, 31.1845, 71.7253



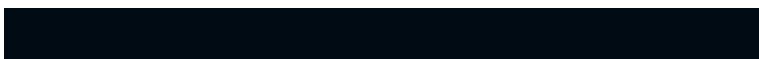
14.1168, 11.4968, 38.5212



7.4447, 7.9264, 9.5559



8.0243, 7.5089, 29.0019



0.2460, 0.2841, 0.7225

Inverse Universe

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



23.2156, 16.2247, 22.3309



38.8259, 24.4623, 34.4139



31.2404, 35.9478, 13.6804



7.6891, 7.6055, 8.6799



13.5509, 6.8291, 7.7126



0.3553, 0.1764, 0.3225

Previews

White Background



This preview shows how the XYZ color 18.4432, 20.1503, 39.9631 looks on a white background.

Color Contrast Check

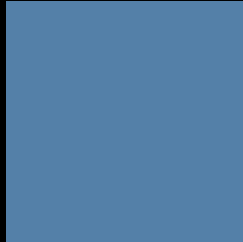
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4432, 20.1503, 39.9631 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

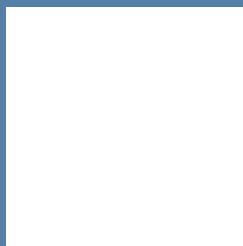
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4432, 20.1503, 39.9631

Background



This preview shows how black text looks on a background with the XYZ color 18.4432, 20.1503, 39.9631.

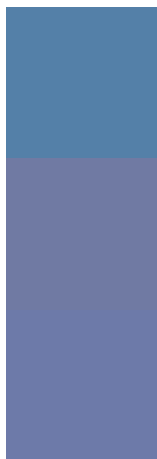


This preview shows how white text looks on a background with the XYZ color 18.4432, 20.1503,

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

18.4432, 20.1503, 39.9631

Protanopia

20.2525, 20.0082, 37.4449

Deuteranopia

20.4276, 20.0348, 40.3266



Tritanopia

16.3259, 20.2947, 29.0434

Trichromacy



Original Color

18.4432, 20.1503, 39.9631

Protanomaly

19.4787, 19.9567, 38.4227

Deuteranomaly

19.6246, 19.9892, 40.3601

Tritanomaly

17.0082, 20.1619, 32.7010

Monochromacy



Original Color

18.4432, 20.1503, 39.9631

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.4187, 18.7894, 26.3756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4432, 20.1503, 39.9631 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(84, 128, 168)` looks like.

```
.text, #text, p{  
    color:rgb(84, 128, 168)  
}
```

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(84, 128, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 128, 168) }
```

Border

The CSS property to change the border of an element to XYZ 18.4432, 20.1503, 39.9631 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(84, 128, 168) }
```


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

```
.border{ border-color:rgb(84, 128, 168) }
```

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

Here you see how a box with a 4 pixel rgb(84, 128, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 128, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 128, 168);  
box-shadow:4px 4px 4px 4px rgb(84, 128,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4432, 20.1503, 39.9631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 128, 168) }
```

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

```
.background{ background-color: rgb(84, 128,  
168) }
```

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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