

Converting Colors

XYZ(19.4827, 21.4166, 47.5349)

Have a look what the booklet for
XYZ(19.4827, 21.4166, 47.5349)
contains.

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Color

**XYZ(19.5035, 21.5302,
47.3838)**

Conversions

Conversions Part 1

Format	Color
Hex	4885B6
RGB	72, 133, 182
RGB Percent	28%, 52%, 71%
CMY	0.7176, 0.4784, 0.2863
CMYK	0.60, 0.27, 0.00, 0.29
HSL	207°, 43%, 50%
HSV	207°, 60%, 71%
XYZ	19.5035, 21.5302, 47.3838
YIQ	120.3470, -52.0850, 2.3070

Conversions

Conversions Part 2

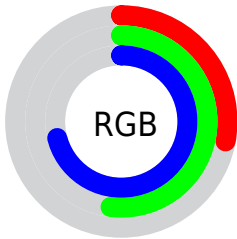
Format	Color
R_{YB}	72, 111, 182
Decimal	4752822
CIE _{Lab}	53.52, -4.76, -31.69
CIE _{LCh}	54, 32.046, 261.453
Yxy	21.5302, 0.2206, 0.2435
Android (android.graphics.Color)	4282942902 (0xFF4885B6)
YUV	120.3470, 30.3949, -42.4003
Hunter-Lab	46.4006, -6.1725, -28.0658

Details

The XYZ color **19.5035, 21.5302, 47.3838** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.2993, 24.0888, 9.3425**, and the grayscale version is **17.8821, 18.8133, 20.4877**.

A 20% lighter version of the original color is **42.0448, 45.9580, 87.5437**, and **7.1328, 7.9256, 21.9227** is the 20% darker color. If you saturate the color by 10%, you get **17.2747, 18.7969, 46.9741**, and if you desaturate by 10%, it is **22.2211, 24.6434, 47.8419**.

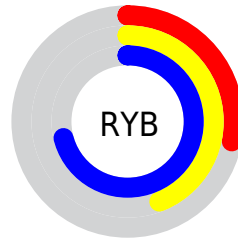
Distribution



Red (28%)

Green (52%)

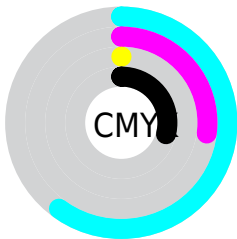
Blue (71%)



Red (28%)

Yellow (44%)

Blue (71%)

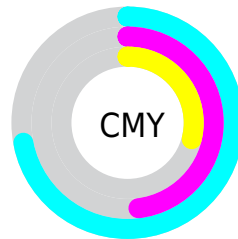


Cyan (60%)

Magenta (27%)

Yellow (0%)

Black (29%)



Cyan (72%)

Magenta (48%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5035, 21.5302, 47.3838 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 19.5035, 21.5302, 47.3838 by changing the saturation by 10% instead.

■ 19.5035, 21.5302,
47.3838

■ 19.5035, 21.5302,
47.3838

242.0996,
260.0829, 392.7825

■ 12.1408, 13.5121,
32.9826

■ 42.0935, 45.9683,
87.6422

■ 6.9125, 7.7821,
21.8421

■ 58.0515, 63.1571,
114.3365

■ 3.4533, 3.9559,
13.5437

■ 77.6054, 84.1715,
145.9657

■ 1.3978, 1.6489,
7.6689

■ 101.1204,
109.3961, 182.9482

■ 0.2546, 0.3902,
3.7991

■ 128.9620,
139.2151, 225.7026

■ 0.0000, 0.0000,
1.5158

161.4955,

■ 0.0000, 0.0000,

174.0130, 274.6474

0.2297

199.0862,
214.1741, 330.2012

■ 0.0000, 0.0000,
0.0000

■ 19.5035, 21.5302,
47.3838

■ 19.5035, 21.5302,
47.3838

■ 17.2747, 18.7969,
46.9741

■ 22.2211, 24.6434,
47.8419

■ 15.4939, 16.4185,
46.6089

■ 25.4591, 28.1546,
48.3490

■ 14.1166, 14.3694,
46.2860

■ 29.2492, 32.0831,
48.9075

■ 13.0901, 12.6705,
46.0122

■ 33.6195, 36.4458,
49.5192

■ 38.5962, 41.2589,
50.1860

■ 44.2036, 46.5374,
50.9093

■ 50.4648, 52.2956,
51.6907

■ 57.4017, 58.5470,
52.5317

■ 65.0351, 65.3047,
53.4338

Harmonies

Analogous

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



16.6394, 21.5302, 41.4359



19.5035, 21.5302, 47.3838



22.9599, 21.5302, 45.6568

Triad

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



19.5035, 21.5302, 47.3838



27.2022, 21.5302, 17.2169



15.7469, 21.5302, 13.5699

Complementary

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



19.5035, 21.5302, 47.3838



27.2993, 24.0888, 9.3425

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.



18.1555, 21.5302, 9.9368



19.5035, 21.5302, 47.3838



24.8335, 21.5302, 11.5985

Square

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



19.5035, 21.5302, 47.3838



27.6665, 21.5302, 26.3497



21.4551, 21.5302, 9.3323



14.6341, 21.5302, 20.7579

Rectangle

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



19.5035, 21.5302, 47.3838



25.1247, 21.5302, 40.5467



21.4551, 21.5302, 9.3323



16.4182, 21.5302, 11.9860

Sweetspot

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



19.5043, 21.5310, 47.3843



62.7815, 67.8665, 90.0263



22.7712, 36.1822, 23.4482



13.3179, 14.4521, 19.8092



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.5043, 21.5310, 47.3843



30.0007, 32.3669, 84.9019



13.9369, 10.3962, 45.5285



8.9229, 9.5230, 11.4473



9.3112, 9.0820, 32.5153



0.3890, 0.4416, 1.1665

Inverse Universe

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



25.8431, 16.2741, 23.9702



43.1582, 24.2398, 35.6764



35.7269, 40.9439, 12.1517



9.2074, 9.0933, 10.4397



15.3135, 7.6992, 9.5378



0.5705, 0.2837, 0.4976

Previews

White Background



This preview shows how the XYZ color 19.5035, 21.5302, 47.3838 looks on a white background.

Color Contrast Check

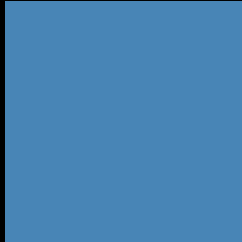
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5035, 21.5302, 47.3838 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 19.5035, 21.5302, 47.3838

Background



This preview shows how black text looks on a background with the XYZ color 19.5035, 21.5302, 47.3838.

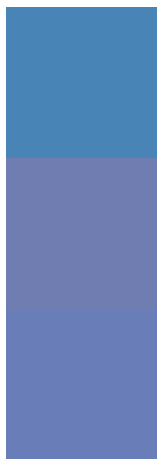


This preview shows how white text looks on a background with the XYZ color 19.5035, 21.5302,

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

19.5035, 21.5302, 47.3838

Protanopia

21.8522, 21.2466, 44.0236

Deuteranopia

21.9383, 21.3857, 48.3190



Tritanopia

16.4826, 21.5668, 32.1482

Trichromacy



Original Color

19.5035, 21.5302, 47.3838

Protanomaly

20.6848, 21.1941, 45.1201

Deuteranomaly

20.9117, 21.4466, 47.8372

Tritanomaly

17.5171, 21.5567, 37.4200

Monochromacy



Original Color

19.5035, 21.5302, 47.3838

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.8851, 19.5340, 28.8144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5035, 21.5302, 47.3838 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(72, 133, 182)` looks like.

```
.text, #text, p{  
    color:rgb(72, 133, 182)  
}
```

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(72, 133, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 133, 182) }
```

Border

The CSS property to change the border of an element to XYZ 19.5035, 21.5302, 47.3838 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(72, 133, 182) }
```


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

```
.border{ border-color:rgb(72, 133, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 133, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 133, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 133, 182);  
box-shadow:4px 4px 4px 4px rgb(72, 133,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5035, 21.5302, 47.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 133, 182) }
```

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

```
.background{ background-color: rgb(72, 133,  
182) }
```

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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