

Converting Colors

XYZ(19.3557, 21.6738, 45.5465)

Have a look what the booklet for
XYZ(19.3557, 21.6738, 45.5465)
contains.

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Color

**XYZ(19.4094, 21.7213,
45.8175)**

Conversions

Conversions Part 1

Format	Color
Hex	4986B3
RGB	73, 134, 179
RGB Percent	29%, 53%, 70%
CMY	0.7137, 0.4745, 0.2980
CMYK	0.59, 0.25, 0.00, 0.30
HSL	205°, 42%, 49%
HSV	205°, 59%, 70%
XYZ	19.4094, 21.7213, 45.8175
YIQ	120.8910, -50.8010, 1.0630

Conversions

Conversions Part 2

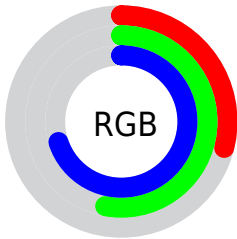
Format	Color
R_{YB}	73, 112, 179
Decimal	4818611
CIE _{Lab}	53.73, -6.12, -29.65
CIE _{LCh}	54, 30.273, 258.333
Yxy	21.7213, 0.2232, 0.2498
Android (android.graphics.Color)	4283008691 (0xFF4986B3)
YUV	120.8910, 28.6477, -42.0004
Hunter-Lab	46.6061, -7.2233, -25.6625

Details

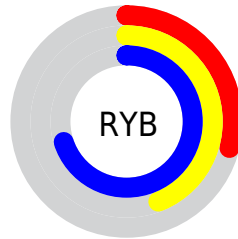
The XYZ color **19.4094, 21.7213, 45.8175** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.2723, 23.0227, 9.3633**, and the grayscale version is **18.0617, 19.0023, 20.6936**.

A 20% lighter version of the original color is **41.9716, 46.2846, 85.3189**, and **7.0144, 8.0034, 20.9138** is the 20% darker color. If you saturate the color by 10%, you get **17.2305, 19.0948, 45.4258**, and if you desaturate by 10%, it is **22.0556, 24.7015, 46.2537**.

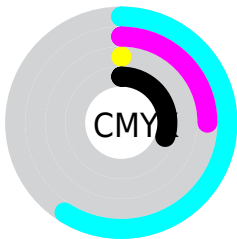
Distribution



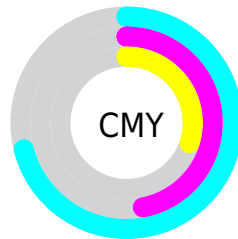
- Red (29%)
- Green (53%)
- Blue (70%)



- Red (29%)
- Yellow (44%)
- Blue (70%)



- Cyan (59%)
- Magenta (25%)
- Yellow (0%)
- Black (30%)



- Cyan (71%)
- Magenta (47%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4094, 21.7213, 45.8175 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 19.4094, 21.7213, 45.8175 by changing the saturation by 10% instead.

■ 19.4094, 21.7213,
45.8175

■ 19.4094, 21.7213,
45.8175

241.5946,
261.0874, 386.3307

■ 12.0722, 13.6523,
31.7542

■ 41.9363, 46.2849,
85.2772

■ 6.8654, 7.8792,
20.9106

■ 57.8567, 63.5483,
111.5107

■ 3.4237, 4.0178,
12.8680

■ 77.3690, 84.6453,
142.6380

■ 1.3816, 1.6835,
7.2081

■ 100.8384,
109.9602, 179.0777

■ 0.2430, 0.4129,
3.5122

■ 128.6303,
139.8775, 221.2482

■ 0.0000, 0.0000,
1.3617

161.1100,

■ 0.0000, 0.0000,

174.7815, 269.5682

0.1116

198.6430,
215.0566, 324.4562

■ 0.0000, 0.0000,
0.0000

■ 19.4094, 21.7213,
45.8175

■ 19.4094, 21.7213,
45.8175

■ 17.2305, 19.0948,
45.4258

■ 22.0556, 24.7015,
46.2537

■ 15.4805, 16.7987,
45.0748

■ 25.1987, 28.0519,
46.7347

■ 14.1181, 14.8097,
44.7627

■ 28.8684, 31.7903,
47.2629

■ 13.0650, 13.0851,
44.4853

■ 33.0913, 35.9325,
47.8398

■ 12.9879, 12.9569,
44.4647

■ 37.8921, 40.4934,
48.4672

■ 43.2938, 45.4869,
49.1463

■ 49.3181, 50.9261,
49.8787

■ 55.9858, 56.8237,
50.6656

■ 63.3165, 63.1916,
51.5083

Harmonies

Analogous

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



16.7697, 21.7213, 39.6652



19.4094, 21.7213, 45.8175



22.6705, 21.7213, 44.9870

Triad

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



19.4094, 21.7213, 45.8175



27.1514, 21.7213, 18.4645



16.3271, 21.7213, 13.6506

Complementary

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



19.4094, 21.7213, 45.8175



26.2723, 23.0227, 9.3633

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.



18.7448, 21.7213, 10.4221



19.4094, 21.7213, 45.8175



25.0766, 21.7213, 12.6575

Square

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



19.4094, 21.7213, 45.8175



27.3774, 21.7213, 27.4509



21.9329, 21.7213, 10.1138



15.1188, 21.7213, 20.2186

Rectangle

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



19.4094, 21.7213, 45.8175



24.7614, 21.7213, 40.6160



21.9329, 21.7213, 10.1138



17.0129, 21.7213, 12.2221

Sweetspot

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



19.4102, 21.7221, 45.8180



60.0051, 65.0665, 85.7776



22.0892, 34.9456, 22.4630



12.7814, 13.9200, 18.9354



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.4102, 21.7221, 45.8180



29.8465, 32.9106, 81.1605



13.8899, 10.6816, 43.9779



8.4344, 9.0150, 10.8019



9.2433, 9.2869, 31.4424



0.3472, 0.4049, 1.0081

Inverse Universe

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



25.2767, 16.0708, 24.3247



41.8506, 23.8260, 36.6247



34.1996, 38.8773, 12.0058



8.6944, 8.5845, 9.8894



14.9002, 7.4776, 9.9005



0.4973, 0.2467, 0.4613

Previews

White Background



This preview shows how the XYZ color 19.4094, 21.7213, 45.8175 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 19.4094, 21.7213, 45.8175 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

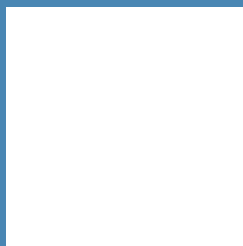
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4094, 21.7213, 45.8175

Background



This preview shows how black text looks on a background with the XYZ color 19.4094, 21.7213, 45.8175.

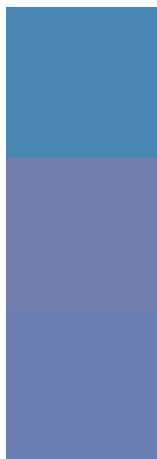


This preview shows how white text looks on a background with the XYZ color 19.4094, 21.7213,

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

19.4094, 21.7213, 45.8175

Protanopia

21.9431, 21.5162, 42.5317

Deuteranopia

22.1080, 21.5091, 46.7025



Tritanopia

16.7430, 21.6917, 32.5826

Trichromacy



Original Color

19.4094, 21.7213, 45.8175

Protanomaly

20.7337, 21.4483, 43.6046

Deuteranomaly

20.9123, 21.4826, 46.2244

Tritanomaly

17.5587, 21.5883, 36.9597

Monochromacy



Original Color

19.4094, 21.7213, 45.8175

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.0523, 19.8178, 28.4649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4094, 21.7213, 45.8175 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(73, 134, 179)` looks like.

```
.text, #text, p{  
    color:rgb(73, 134, 179)  
}
```

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(73, 134, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 134, 179) }
```

Border

The CSS property to change the border of an element to XYZ 19.4094, 21.7213, 45.8175 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(73, 134, 179) }
```


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

```
.border{ border-color:rgb(73, 134, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 134, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 134, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 134, 179);  
box-shadow:4px 4px 4px 4px rgb(73, 134,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4094, 21.7213, 45.8175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 134, 179) }
```

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

```
.background{ background-color: rgb(73, 134,  
179) }
```

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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