

Converting Colors

XYZ(19.4124, 21.5231, 43.8498)

Have a look what the booklet for
XYZ(19.4124, 21.5231, 43.8498)
contains.

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Color

**XYZ(19.4337, 21.5757,
43.6977)**

Conversions

Conversions Part 1

Format	Color
Hex	5085AF
RGB	80, 133, 175
RGB Percent	31%, 52%, 69%
CMY	0.6863, 0.4784, 0.3137
CMYK	0.54, 0.24, 0.00, 0.31
HSL	207°, 37%, 50%
HSV	207°, 54%, 69%
XYZ	19.4337, 21.5757, 43.6977
YIQ	121.9410, -45.0700, 1.8260

Conversions

Conversions Part 2

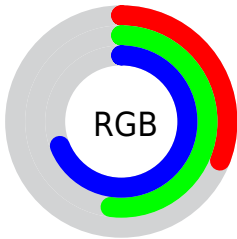
Format	Color
R _Y B	80, 114, 175
Decimal	5277103
CIE Lab	53.57, -5.33, -27.57
CIE LCh	54, 28.079, 259.066
Yxy	21.5757, 0.2294, 0.2547
Android (android.graphics.Color)	4283467183 (0xFF5085AF)
YUV	121.9410, 26.1581, -36.7823
Hunter-Lab	46.4497, -6.6057, -23.2626

Details

The XYZ color **19.4337, 21.5757, 43.6977** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.0875, 23.6133, 10.7732**, and the grayscale version is **18.4081, 19.3667, 21.0904**.

A 20% lighter version of the original color is **41.9744, 46.0382, 82.2753**, and **6.8802, 7.8473, 19.5644** is the 20% darker color. If you saturate the color by 10%, you get **17.1236, 18.8701, 43.2976**, and if you desaturate by 10%, it is **22.2081, 24.6373, 44.1428**.

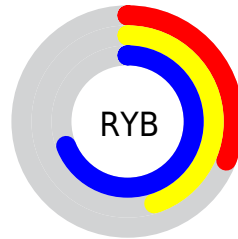
Distribution



Red (31%)

Green (52%)

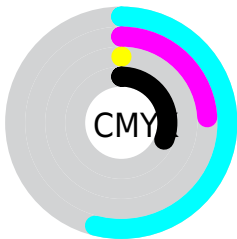
Blue (69%)



Red (31%)

Yellow (45%)

Blue (69%)

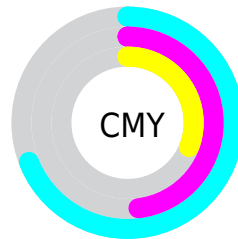


Cyan (54%)

Magenta (24%)

Yellow (0%)

Black (31%)



Cyan (69%)

Magenta (48%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4337, 21.5757, 43.6977 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 19.4337, 21.5757, 43.6977 by changing the saturation by 10% instead.

■ 19.4337, 21.5757,
43.6977

■ 19.4337, 21.5757,
43.6977

241.7251,
260.3224, 377.4784

■ 12.0899, 13.5455,
30.0975

■ 41.9769, 46.0437,
82.0603

■ 6.8776, 7.8052,
19.6599

■ 57.9071, 63.2503,
107.6597

■ 3.4313, 3.9706,
11.9665

■ 77.4301, 84.2844,
138.0960

■ 1.3857, 1.6571,
6.5986

■ 100.9112,
109.5305, 173.7876

■ 0.2460, 0.3957,
3.1377

■ 128.7160,
139.3730, 215.1531

■ 0.0000, 0.0000,
1.1654

161.2096,

■ 0.0000, 0.0000,

174.1962, 262.6110

0.0000

198.7576,
214.3845, 316.5800

■ 19.4337, 21.5757,
43.6977

■ 19.4337, 21.5757,
43.6977

■ 17.1236, 18.8701,
43.2976

■ 22.2081, 24.6373,
44.1428

■ 15.2433, 16.4992,
42.9391

■ 25.4736, 28.0698,
44.6333

■ 13.7568, 14.4420,
42.6204

■ 29.2571, 31.8900,
45.1712

■ 12.6199, 12.6731,
42.3389

■ 33.5831, 36.1127,
45.7583

■ 12.0712, 11.7616,
42.1919

■ 38.4743, 40.7519,
46.3959

■ 43.9521, 45.8206,
47.0856

■ 50.0366, 51.3314,
47.8286

■ 56.7471, 57.2962,
48.6262

■ 64.1019, 63.7265,
49.4798

Harmonies

Analogous

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



16.9597, 21.5757, 38.2890



19.4337, 21.5757, 43.6977



22.4468, 21.5757, 42.7884

Triad

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



19.4337, 21.5757, 43.6977



26.4474, 21.5757, 18.5050



16.4559, 21.5757, 14.2564

Complementary

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



19.4337, 21.5757, 43.6977



26.0875, 23.6133, 10.7732

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.



18.6824, 21.5757, 11.0953



19.4337, 21.5757, 43.6977



24.5174, 21.5757, 13.1034

Square

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



19.4337, 21.5757, 43.6977



26.6987, 21.5757, 26.7625



21.6192, 21.5757, 10.7322



15.3553, 21.5757, 20.4999

Rectangle

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



19.4337, 21.5757, 43.6977



24.3557, 21.5757, 38.7700



21.6192, 21.5757, 10.7322



17.0869, 21.5757, 12.8704

Sweetspot

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



19.4344, 21.5765, 43.6982



58.5216, 63.1097, 81.7338



22.1004, 33.7506, 23.4935



12.6519, 13.6822, 18.1184



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.4344, 21.5765, 43.6982



29.9917, 32.9701, 77.4200



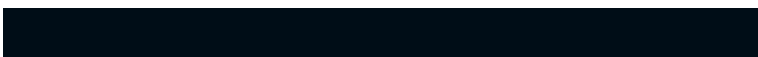
14.4015, 11.5106, 42.0206



7.9355, 8.4704, 10.1694



8.7066, 8.5470, 30.2354



0.2956, 0.3445, 0.8589

Inverse Universe

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



24.7822, 16.5456, 24.0785



40.9877, 24.5764, 36.6405



33.2538, 37.9458, 13.1620



8.1852, 8.0873, 9.2863



14.2583, 7.1659, 9.0057



0.4236, 0.2101, 0.3924

Previews

White Background



This preview shows how the XYZ color 19.4337, 21.5757, 43.6977 looks on a white background.

Color Contrast Check

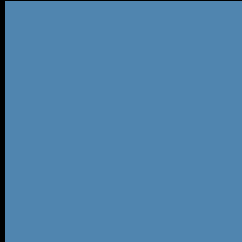
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4337, 21.5757, 43.6977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

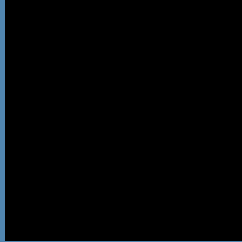
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4337, 21.5757, 43.6977

Background



This preview shows how black text looks on a background with the XYZ color 19.4337, 21.5757, 43.6977.

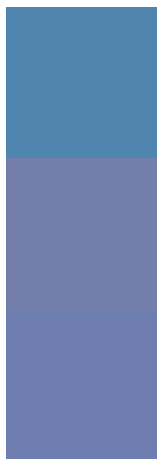


This preview shows how white text looks on a background with the XYZ color 19.4337, 21.5757,

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

19.4337, 21.5757, 43.6977

Protanopia

21.7868, 21.4688, 41.0258

Deuteranopia

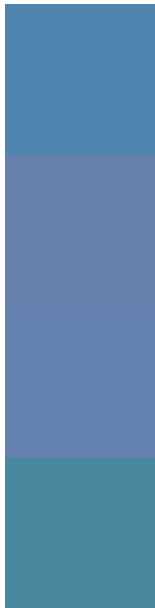
21.9522, 21.4755, 44.5832



Tritanopia

17.0391, 21.6490, 31.7144

Trichromacy



Original Color

19.4337, 21.5757, 43.6977

Protanomaly

20.7761, 21.5039, 42.0854

Deuteranomaly

20.9423, 21.5444, 44.1290

Tritanomaly

17.7998, 21.5328, 35.5658

Monochromacy



Original Color

19.4337, 21.5757, 43.6977

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.3320, 19.9706, 28.0878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4337, 21.5757, 43.6977 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(80, 133, 175)` looks like.

```
.text, #text, p{  
  color:rgb(80, 133, 175)  
}
```

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(80, 133, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 133, 175) }
```

Border

The CSS property to change the border of an element to XYZ 19.4337, 21.5757, 43.6977 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(80, 133, 175) }
```


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

```
.border{ border-color:rgb(80, 133, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 133, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 133, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 133, 175);  
box-shadow:4px 4px 4px 4px rgb(80, 133,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4337, 21.5757, 43.6977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 133, 175) }
```

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

```
.background{ background-color: rgb(80, 133,  
175) }
```

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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