

Converting Colors

XYZ(19.7963, 23.1753, 46.6099)

Have a look what the booklet for
XYZ(19.7963, 23.1753, 46.6099)
contains.

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Color

**XYZ(19.7963, 23.1753,
46.6099)**

Conversions

Conversions Part 1

Format	Color
Hex	418CB4
RGB	65, 140, 180
RGB Percent	25%, 55%, 71%
CMY	0.7451, 0.4510, 0.2941
CMYK	0.64, 0.22, 0.00, 0.29
HSL	201°, 47%, 48%
HSV	201°, 64%, 71%
XYZ	19.7963, 23.1753, 46.6099
YIQ	122.1350, -57.5400, -3.4600

Conversions

Conversions Part 2

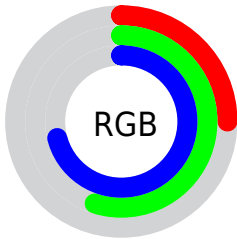
Format	Color
R_{YB}	65, 110, 180
Decimal	4295860
CIE _{Lab}	55.25, -10.74, -27.88
CIE _{LCh}	55, 29.879, 248.933
Yxy	23.1753, 0.2210, 0.2587
Android (android.graphics.Color)	4282485940 (0xFF418CB4)
YUV	122.1350, 28.5274, -50.1074
Hunter-Lab	48.1407, -10.8440, -23.7061

Details

The XYZ color **19.7963, 23.1753, 46.6099** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **24.8290, 20.1894, 7.5903**, and the grayscale version is **18.4669, 19.4286, 21.1577**.

A 20% lighter version of the original color is **42.7443, 48.9248, 86.5474**, and **7.4869, 8.8446, 21.3913** is the 20% darker color. If you saturate the color by 10%, you get **17.9002, 20.8785, 46.2670**, and if you desaturate by 10%, it is **22.1257, 25.7736, 46.9891**.

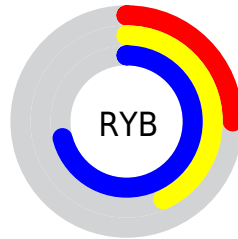
Distribution



Red (25%)

Green (55%)

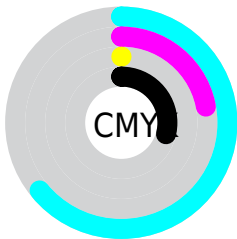
Blue (71%)



Red (25%)

Yellow (43%)

Blue (71%)

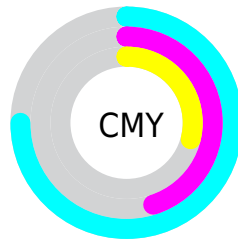


Cyan (64%)

Magenta (22%)

Yellow (0%)

Black (29%)



Cyan (75%)

Magenta (45%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7963, 23.1753, 46.6099 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 19.7963, 23.1753, 46.6099 by changing the saturation by 10% instead.

■ 19.7963, 23.1753,
46.6099

■ 19.7963, 23.1753,
46.6099

243.6649,
268.6241, 389.6038

■ 12.3545, 14.7230,
32.3752

■ 42.5820, 48.6810,
86.4749

■ 7.0595, 8.6252,
21.3811

■ 58.6565, 66.5032,
112.9423

■ 3.5460, 4.4975,
13.2089

■ 78.3393, 88.2175,
144.3244

■ 1.4486, 1.9556,
7.4401

■ 101.9957,
114.2083, 181.0397

■ 0.2905, 0.5815,
3.6563

■ 129.9911,
144.8599, 223.5068

■ 0.0000, 0.0000,
1.4387

162.6909,

■ 0.0000, 0.0000,

180.5568, 272.1441

0.1716

200.4604,
221.6834, 327.3703

■ 0.0000, 0.0000,
0.0000

■ 19.7963, 23.1753,
46.6099

■ 19.7963, 23.1753,
46.6099

■ 17.9002, 20.8785,
46.2670

■ 22.1257, 25.7736,
46.9891

■ 16.3967, 18.8597,
45.9565

■ 24.9194, 28.6894,
47.4047

■ 15.2404, 17.0945,
45.6768

■ 28.2082, 31.9402,
47.8588

■ 14.6452, 16.1091,
45.5179

■ 32.0194, 35.5412,
48.3530

■ 36.3782, 39.5066,
48.8886

■ 41.3080, 43.8496,
49.4671

■ 46.8310, 48.5827,
50.0896

■ 52.9678, 53.7177,
50.7573

■ 59.7384, 59.2659,
51.4714

Harmonies

Analogous

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



17.3953, 23.1753, 38.6627



19.7963, 23.1753, 46.6099



23.0408, 23.1753, 48.1430

Triad

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



19.7963, 23.1753, 46.6099



29.0084, 23.1753, 22.4817



18.2294, 23.1753, 13.4503

Complementary

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



19.7963, 23.1753, 46.6099



24.8290, 20.1894, 7.5903

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.



21.0442, 23.1753, 11.0654



19.7963, 23.1753, 46.6099



27.4165, 23.1753, 15.3420

Square

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



19.7963, 23.1753, 46.6099



28.5878, 23.1753, 32.4480



24.4202, 23.1753, 11.6571



16.5563, 23.1753, 19.1772

Rectangle

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



19.7963, 23.1753, 46.6099



25.2863, 23.1753, 45.0215



24.4202, 23.1753, 11.6571



19.0613, 23.1753, 12.3066

Sweetspot

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



19.7971, 23.1761, 46.6105



61.5358, 67.6385, 88.1069



20.9670, 34.7530, 18.5240



12.8300, 14.1886, 18.9847



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.



19.7971, 23.1761, 46.6105



31.1649, 36.1745, 83.6344



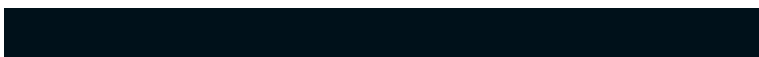
13.6024, 10.7868, 44.5456



8.4889, 9.1240, 10.8200



10.2860, 11.3724, 31.7900



0.3757, 0.4619, 1.0176

Inverse Universe

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



25.4470, 15.3783, 26.4388



42.8702, 23.1982, 41.1306



32.4930, 35.5173, 10.1450



8.7220, 8.5955, 10.0343



15.4266, 7.6882, 12.6721



0.5116, 0.2524, 0.5370

Previews

White Background



This preview shows how the XYZ color 19.7963, 23.1753, 46.6099 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 19.7963, 23.1753, 46.6099 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 19.7963, 23.1753, 46.6099

Background



This preview shows how black text looks on a background with the XYZ color 19.7963, 23.1753, 46.6099.

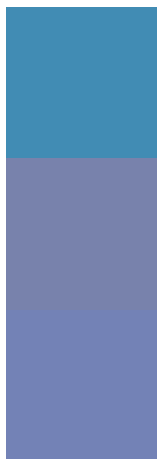


This preview shows how white text looks on a background with the XYZ color 19.7963, 23.1753,

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

19.7963, 23.1753, 46.6099

Protanopia

23.1748, 22.9369, 42.2355

Deuteranopia

23.4964, 22.9875, 47.4546



Tritanopia

17.4422, 23.1037, 34.9926

Trichromacy



Original Color

19.7963, 23.1753, 46.6099

Protanomaly

21.5185, 22.8547, 43.8347

Deuteranomaly

21.7954, 22.9278, 46.9928

Tritanomaly

18.3013, 23.2314, 39.1168

Monochromacy



Original Color

19.7963, 23.1753, 46.6099

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.1750, 20.4504, 28.9760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7963, 23.1753, 46.6099 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(65, 140, 180)` looks like.

```
.text, #text, p{  
    color:rgb(65, 140, 180)  
}
```

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(65, 140, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 140, 180) }
```

Border

The CSS property to change the border of an element to XYZ 19.7963, 23.1753, 46.6099 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(65, 140, 180) }
```


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

```
.border{ border-color:rgb(65, 140, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 140, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 140, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 140, 180);  
box-shadow:4px 4px 4px 4px rgb(65, 140,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7963, 23.1753, 46.6099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 140, 180) }
```

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

```
.background{ background-color: rgb(65, 140,  
180) }
```

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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