

Converting Colors

XYZ(18.6172, 18.9611, 51.9693)

Have a look what the booklet for
XYZ(18.6172, 18.9611, 51.9693)
contains.

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Color

**XYZ(18.6669, 19.0513,
51.9836)**

Conversions

Conversions Part 1

Format	Color
Hex	417BBF
RGB	65, 123, 191
RGB Percent	25%, 48%, 75%
CMY	0.7451, 0.5176, 0.2510
CMYK	0.66, 0.36, 0.00, 0.25
HSL	212°, 50%, 50%
HSV	212°, 66%, 75%
XYZ	18.6669, 19.0513, 51.9836
YIQ	113.4100, -56.3960, 8.8520

Conversions

Conversions Part 2

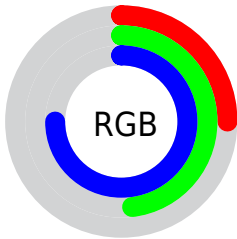
Format	Color
R _Y B	65, 105, 191
Decimal	4291519
CIE Lab	50.75, 2.93, -41.23
CIE LCh	51, 41.337, 274.067
Yxy	19.0513, 0.2081, 0.2124
Android (android.graphics.Color)	4282481599 (0xFF417BBF)
YUV	113.4100, 38.2519, -42.4556
Hunter-Lab	43.6478, -0.0444, -40.0597

Details

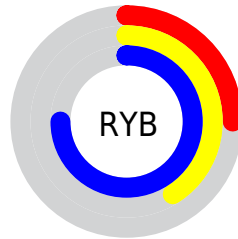
The XYZ color **18.6669, 19.0513, 51.9836** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **30.8288, 28.2351, 8.8272**, and the grayscale version is **15.7205, 16.5392, 18.0111**.

A 20% lighter version of the original color is **40.7307, 41.7972, 94.7279**, and **7.0314, 6.8383, 24.6162** is the 20% darker color. If you saturate the color by 10%, you get **16.3975, 16.0822, 51.5305**, and if you desaturate by 10%, it is **21.4998, 22.5114, 52.5026**.

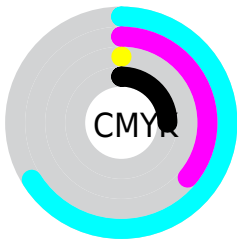
Distribution



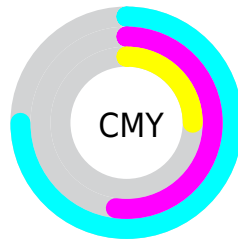
- Red (25%)
- Green (48%)
- Blue (75%)



- Red (25%)
- Yellow (41%)
- Blue (75%)



- Cyan (66%)
- Magenta (36%)
- Yellow (0%)
- Black (25%)



- Cyan (75%)
- Magenta (52%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6669, 19.0513, 51.9836 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 18.6669, 19.0513, 51.9836 by changing the saturation by 10% instead.

■ 18.6669, 19.0513,
51.9836

■ 18.6669, 19.0513,
51.9836

237.5772,
246.7318, 411.3284

■ 11.5324, 11.7074,
36.6099

■ 40.6917, 41.8208,
94.5334

■ 6.4961, 6.5447,
24.6121

■ 56.3128, 58.0151,
122.5465

■ 3.1925, 3.1791,
15.5719

■ 75.4934, 77.9283,
155.6098

■ 1.2564, 1.2259,
9.0707

■ 98.5989, 101.9448,
194.1419

■ 0.1502, 0.0827,
4.6899

■ 125.9947,
130.4490, 238.5613

■ 0.0000, 0.0000,
2.0109

158.0461,

■ 0.0000, 0.0000,

163.8253, 289.2864

0.5620

195.1185,
202.4581, 346.7360

■ 0.0000, 0.0000,
0.0000

■ 18.6669, 19.0513,
51.9836

■ 18.6669, 19.0513,
51.9836

■ 16.3975, 16.0822,
51.5305

■ 21.4998, 22.5114,
52.5026

■ 14.6402, 13.5705,
51.1383

■ 24.9369, 26.4885,
53.0891

■ 13.3343, 11.4788,
50.8034

■ 29.0172, 31.0087,
53.7465

■ 12.8869, 10.7273,
50.6820

■ 33.7756, 36.0953,
54.4775

■ 39.2443, 41.7702,
55.2846

■ 45.4533, 48.0539,
56.1703

■ 52.4309, 54.9659,
57.1367

■ 60.2037, 62.5247,
58.1860

■ 68.7972, 70.7480,
59.3203

Harmonies

Analogous

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



14.9043, 19.0513, 48.0389



18.6669, 19.0513, 51.9836



22.8411, 19.0513, 45.3170

Triad

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



18.6669, 19.0513, 51.9836



25.3734, 19.0513, 10.5727



11.9564, 19.0513, 12.4233

Complementary

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



18.6669, 19.0513, 51.9836



30.8288, 28.2351, 8.8272

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.



14.0780, 19.0513, 7.1899



18.6669, 19.0513, 51.9836



21.7400, 19.0513, 6.4357

Square

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



18.6669, 19.0513, 51.9836



27.0622, 19.0513, 19.1983



17.5598, 19.0513, 5.4814



11.3847, 19.0513, 22.3697

Rectangle

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



18.6669, 19.0513, 51.9836



25.1913, 19.0513, 36.8208



17.5598, 19.0513, 5.4814



12.4946, 19.0513, 10.1967

Sweetspot

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



18.6676, 19.0519, 51.9841



65.8640, 70.2551, 98.3683



24.9902, 40.0575, 28.3178



13.8575, 14.7975, 21.5111



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



18.6676, 19.0519, 51.9841



27.9122, 26.7782, 91.9767



13.7637, 8.8159, 50.2668



9.3686, 9.9295, 12.0950



8.5478, 7.2073, 33.3335



0.4003, 0.4132, 1.3275

Inverse Universe

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



26.9520, 16.2880, 20.4627



44.5809, 24.2384, 27.8759



40.0301, 48.1833, 12.1927



9.7079, 9.6075, 10.8508



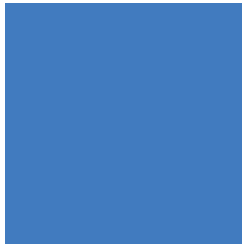
15.3153, 7.7573, 6.9539



0.6329, 0.3171, 0.4463

Previews

White Background



This preview shows how the XYZ color 18.6669, 19.0513, 51.9836 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 18.6669, 19.0513, 51.9836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

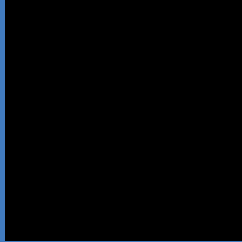
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6669, 19.0513, 51.9836

Background



This preview shows how black text looks on a background with the XYZ color 18.6669, 19.0513, 51.9836.

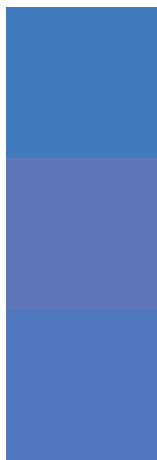


This preview shows how white text looks on a background with the XYZ color 18.6669, 19.0513,

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

18.6669, 19.0513, 51.9836

Protanopia

20.1674, 18.9776, 49.6138

Deuteranopia

19.5392, 18.9442, 52.4959



Tritanopia

14.0730, 19.1333, 28.9380

Trichromacy



Original Color

18.6669, 19.0513, 51.9836

Protanomaly

19.4497, 18.9486, 50.2093

Deuteranomaly

19.2535, 18.9764, 52.5172

Tritanomaly

15.3677, 18.8429, 36.0848

Monochromacy



Original Color

18.6669, 19.0513, 51.9836

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.9929, 17.1325, 27.6633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6669, 19.0513, 51.9836 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, 123, 191)` looks like.

```
.text, #text, p{  
    color:rgb(65, 123, 191)  
}
```

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, 123, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 123, 191) }
```

Border

The CSS property to change the border of an element to XYZ 18.6669, 19.0513, 51.9836 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, 123, 191) }
```


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

```
.border{ border-color:rgb(65, 123, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 123, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 123, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 123, 191);  
box-shadow:4px 4px 4px 4px rgb(65, 123,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6669, 19.0513, 51.9836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 123, 191) }
```

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

```
.background{ background-color: rgb(65, 123,  
191) }
```

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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