

Converting Colors

XYZ(19.5557, 18.5701, 68.8865)

Have a look what the booklet for
XYZ(19.5557, 18.5701, 68.8865)
contains.

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Color

**XYZ(19.5684, 18.5965,
68.8878)**

Conversions

Conversions Part 1

Format	Color
Hex	0F78DA
RGB	15, 120, 218
RGB Percent	6%, 47%, 85%
CMY	0.9410, 0.5294, 0.1451
CMYK	0.93, 0.45, 0.00, 0.15
HSL	209°, 87%, 46%
HSV	209°, 93%, 85%
XYZ	19.5684, 18.5965, 68.8878
YIQ	99.7770, -94.0380, 8.2180

Conversions

Conversions Part 2

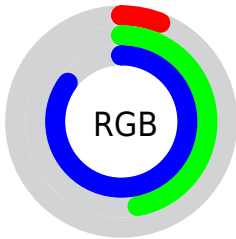
Format	Color
R _Y B	15, 84, 218
Decimal	1013978
CIE _{Lab}	50.21, 9.84, -57.54
CIE _{LCh}	50, 58.373, 279.710
Y _{xy}	18.5965, 0.1828, 0.1737
Android (android.graphics.Color)	4279204058 (0xFF0F78DA)
YUV	99.7770, 58.2839, -74.3494
Hunter-Lab	43.1237, 5.5323, -64.5261

Details

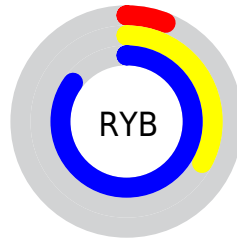
The XYZ color **19.5684, 18.5965, 68.8878** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **34.9100, 26.7598, 3.7787**, and the grayscale version is **11.9335, 12.5550, 13.6724**.

A 20% lighter version of the original color is **38.6282, 39.7283, 100.2401**, and **8.9041, 7.3737, 35.1364** is the 20% darker color. If you saturate the color by 10%, you get **18.5309, 16.8138, 68.5988**, and if you desaturate by 10%, it is **21.4652, 21.5582, 69.3599**.

Distribution



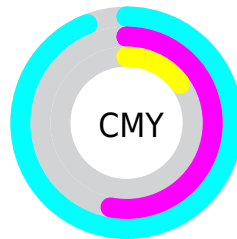
- Red (6%)
- Green (47%)
- Blue (85%)



- Red (6%)
- Yellow (33%)
- Blue (85%)



- Cyan (93%)
- Magenta (45%)
- Yellow (0%)
- Black (15%)



- Cyan (94%)
- Magenta (53%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5684, 18.5965, 68.8878 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 19.5684, 18.5965, 68.8878 by changing the saturation by 10% instead.

■ 19.5684, 18.5965,
68.8878

■ 19.5684, 18.5965,
68.8878

242.4473,
244.2121, 475.3184

■ 12.1881, 11.3791,
50.1491

■ 42.2019, 41.0512,
119.2875

■ 6.9451, 6.3224,
35.1599

■ 58.1858, 57.0572,
151.7856

■ 3.4738, 3.0421,
23.5015

■ 77.7683, 76.7615,
189.7073

■ 1.4090, 1.1538,
14.7555

■ 101.3148,
100.5486, 233.4711

■ 0.2626, 0.0234,
8.5033

■ 129.1905,
128.8028, 283.4956

■ 0.0000, 0.0000,
4.3263

161.7610,

■ 0.0000, 0.0000,

161.9085, 340.1993

1.8060

199.3914,
200.2501, 404.0007

■ 0.0000, 0.0000,
0.4319

■ 0.0000, 0.0000,
0.0000

■ 19.5684, 18.5965,
68.8878

■ 19.5684, 18.5965,
68.8878

■ 18.5309, 16.8138,
68.5988

■ 21.4652, 21.5582,
69.3599

■ 23.9702, 25.0464,
69.9012

■ 27.1609, 29.1071,
70.5168

■ 31.1010, 33.7790,
71.2109

■ 35.8465, 39.0966,
71.9872

■ 41.4473, 45.0910,
72.8491

■ 47.9492, 51.7911,
73.7996

■ 55.3943, 59.2237,
74.8419

■ 63.8222, 67.4141,
75.9786

Harmonies

Analogous

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



14.1748, 18.5965, 65.5885



19.5684, 18.5965, 68.8878



25.5496, 18.5965, 54.7755

Triad

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



19.5684, 18.5965, 68.8878



27.4006, 18.5965, 6.1807



9.3295, 18.5965, 11.2742

Complementary

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



19.5684, 18.5965, 68.8878



34.9100, 26.7598, 3.7787

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.



11.6122, 18.5965, 4.5204



19.5684, 18.5965, 68.8878



21.7095, 18.5965, 2.8536

Square

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



19.5684, 18.5965, 68.8878



30.6657, 18.5965, 15.4486



15.9086, 18.5965, 2.4707



8.9955, 18.5965, 25.9518

Rectangle

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



19.5684, 18.5965, 68.8878



28.7917, 18.5965, 40.3031



15.9086, 18.5965, 2.4707



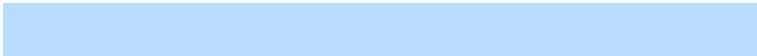
9.8670, 18.5965, 8.2749

Sweetspot

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



19.5692, 18.5970, 68.8883



63.4524, 68.8229, 104.5476



28.0705, 51.3656, 23.1174



12.7458, 13.8627, 22.2539



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



19.5692, 18.5970, 68.8883



26.2839, 23.6877, 97.7946



13.1359, 5.7304, 66.7439



12.8929, 13.7255, 16.6219



11.2102, 10.2899, 41.1337



0.8124, 0.8389, 2.6936

Inverse Universe

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



32.4753, 16.6045, 19.2629



45.3961, 22.9224, 23.8156



52.3530, 61.6457, 9.5930



13.3358, 13.1634, 15.0295



19.1537, 9.6625, 10.4555



1.2844, 0.6434, 0.9064

Previews

White Background



This preview shows how the XYZ color 19.5684, 18.5965, 68.8878 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 19.5684, 18.5965, 68.8878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

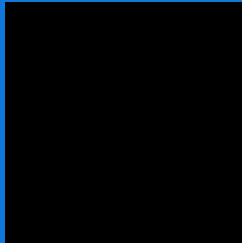
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5684, 18.5965, 68.8878

Background



This preview shows how black text looks on a background with the XYZ color 19.5684, 18.5965, 68.8878.



This preview shows how white text looks on a background with the XYZ color 19.5684, 18.5965,

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

19.5684, 18.5965, 68.8878

Protanopia

20.9281, 18.6726, 65.4519

Deuteranopia

18.9750, 18.5298, 66.1948



Tritanopia

13.0590, 18.4256, 28.0675

Trichromacy



Original Color

19.5684, 18.5965, 68.8878

Protanomaly

19.9923, 18.3327, 66.7748

Deuteranomaly

19.1657, 18.6133, 66.8726

Tritanomaly

14.9432, 18.3352, 40.2876

Monochromacy



Original Color

19.5684, 18.5965, 68.8878

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.6699, 13.7638, 27.9755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5684, 18.5965, 68.8878 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(15, 120, 218)` looks like.

```
.text, #text, p{  
    color:rgb(15, 120, 218)  
}
```

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(15, 120, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 120, 218) }
```

Border

The CSS property to change the border of an element to XYZ 19.5684, 18.5965, 68.8878 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(15, 120, 218) }
```


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

```
.border{ border-color:rgb(15, 120, 218) }
```

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

Here you see how a box with a 4 pixel rgb(15, 120, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 120, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 120, 218);  
box-shadow:4px 4px 4px 4px rgb(15, 120,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5684, 18.5965, 68.8878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 120, 218) }
```

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

```
.background{ background-color: rgb(15, 120,  
218) }
```

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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