

Converting Colors

XYZ(22.0091, 18.9370, 65.8290)

Have a look what the booklet for
XYZ(22.0091, 18.9370, 65.8290)
contains.

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Color

**XYZ(21.9927, 18.8681,
66.1011)**

Conversions

Conversions Part 1

Format	Color
Hex	5672D6
RGB	86, 114, 214
RGB Percent	34%, 45%, 84%
CMY	0.6627, 0.5529, 0.1608
CMYK	0.60, 0.47, 0.00, 0.16
HSL	227°, 61%, 59%
HSV	227°, 60%, 84%
XYZ	21.9927, 18.8681, 66.1011
YIQ	117.0280, -48.7880, 25.1640

Conversions

Conversions Part 2

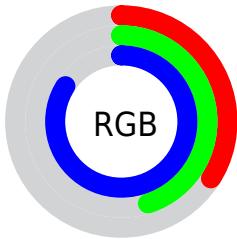
Format	Color
R _Y B	86, 109, 214
Decimal	5665494
CIE Lab	50.53, 20.18, -54.64
CIE LCh	51, 58.245, 290.274
Yxy	18.8681, 0.2056, 0.1764
Android (android.graphics.Color)	4283855574 (0xFF5672D6)
YUV	117.0280, 47.8072, -27.2116
Hunter-Lab	43.4374, 14.3604, -59.8186

Details

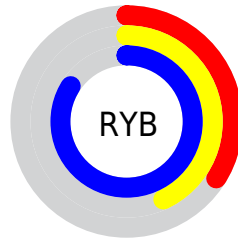
The XYZ color **21.9927, 18.8681, 66.1011** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **46.9721, 50.0889, 15.9980**, and the grayscale version is **16.7855, 17.6597, 19.2314**.

A 20% lighter version of the original color is **43.1822, 40.1500, 100.0815**, and **8.1787, 6.4829, 33.1680** is the 20% darker color. If you saturate the color by 10%, you get **18.5925, 14.5670, 65.4505**, and if you desaturate by 10%, it is **26.3290, 24.1638, 66.8951**.

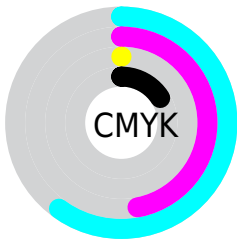
Distribution



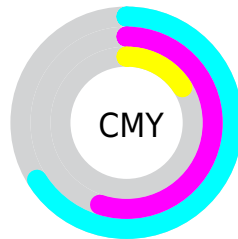
- Red (34%)
- Green (45%)
- Blue (84%)



- Red (34%)
- Yellow (43%)
- Blue (84%)



- Cyan (60%)
- Magenta (47%)
- Yellow (0%)
- Black (16%)



- Cyan (66%)
- Magenta (55%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9927, 18.8681, 66.1011 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 21.9927, 18.8681, 66.1011 by changing the saturation by 10% instead.

■ 21.9927, 18.8681,
66.1011

■ 21.9927, 18.8681,
66.1011

255.1412,
245.7196, 465.1524

■ 13.9681, 11.5750,
47.8975

■ 46.2129, 41.5111,
115.2598

■ 8.1800, 6.4550,
33.3863

■ 63.1392, 57.6298,
147.0520

■ 4.2631, 3.1237,
22.1490

■ 83.7634, 77.4592,
184.2107

■ 1.8521, 1.1966,
13.7671

■ 108.4509,
101.3836, 227.1547

■ 0.5487, 0.0590,
7.8219

137.5671,
129.7874, 276.3022

■ 0.0000, 0.0000,
3.8951

171.4774,

■ 0.0000, 0.0000,

163.0551, 332.0720

1.5680

210.5469,
201.5711, 394.8826

■ 0.0000, 0.0000,
0.2678

■ 0.0000, 0.0000,
0.0000

■ 21.9927, 18.8681,
66.1011

■ 21.9927, 18.8681,
66.1011

■ 18.5925, 14.5670,
65.4505

■ 26.3290, 24.1638,
66.8951

■ 16.0526, 11.1931,
64.9332

■ 31.6640, 30.5117,
67.8392

■ 14.2888, 8.6725,
64.5396

■ 38.0576, 37.9669,
68.9413

■ 13.1642, 6.9005,
64.2569

■ 45.5642, 46.5801,
70.2081

■ 13.1464, 6.8725,
64.2524

■ 54.2344, 56.3986,
71.6463

■ 64.1156, 67.4671,
73.2620

■ 75.2525, 79.8282,
75.0609

■ 86.8706, 93.1010,
77.0105

■ 89.1377, 97.6351,
77.7661

Harmonies

Analogous

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



16.1503, 18.8681, 69.4000



21.9927, 18.8681, 66.1011



27.7189, 18.8681, 47.7370

Triad

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



21.9927, 18.8681, 66.1011



25.8629, 18.8681, 4.6512



9.1757, 18.8681, 15.6981

Complementary

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



21.9927, 18.8681, 66.1011



46.9721, 50.0889, 15.9980

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.



10.7739, 18.8681, 6.3320



21.9927, 18.8681, 66.1011



19.8435, 18.8681, 2.5610

Square

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



21.9927, 18.8681, 66.1011



30.2604, 18.8681, 11.4962



14.4074, 18.8681, 2.9508



9.5123, 18.8681, 33.4080

Rectangle

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



21.9927, 18.8681, 66.1011



30.3112, 18.8681, 33.0199



14.4074, 18.8681, 2.9508



9.4889, 18.8681, 11.6886

Sweetspot

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



21.9935, 18.8687, 66.1016



69.7406, 71.5255, 104.7378



36.5511, 53.5386, 53.8294



14.1697, 14.4462, 22.2915



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.



21.9935, 18.8687, 66.1016



26.4232, 20.0653, 97.0881



23.2310, 15.5148, 65.3890



11.9606, 12.4447, 15.7092



8.0094, 4.2807, 38.8573



0.5454, 0.3828, 2.3645

Inverse Universe

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



34.0974, 22.1679, 18.4016



46.4187, 26.9775, 17.9605



44.5186, 58.4530, 17.7418



12.5333, 12.4648, 13.4828



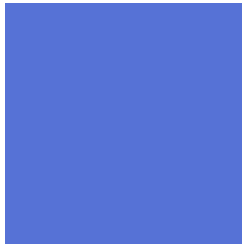
17.1017, 8.7770, 2.5734



1.0629, 0.5420, 0.3208

Previews

White Background



This preview shows how the XYZ color 21.9927, 18.8681, 66.1011 looks on a white background.

Color Contrast Check

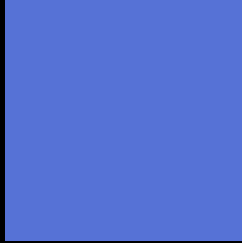
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9927, 18.8681, 66.1011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

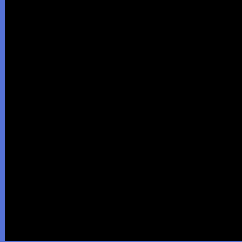
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.9927, 18.8681, 66.1011

Background



This preview shows how black text looks on a background with the XYZ color 21.9927, 18.8681, 66.1011.



This preview shows how white text looks on a background with the XYZ color 21.9927, 18.8681,

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

21.9927, 18.8681, 66.1011

Protanopia

21.2386, 18.7882, 67.4728

Deuteranopia

19.5708, 19.0476, 64.9324



Tritanopia

14.3922, 18.9126, 28.0912

Trichromacy



Original Color

21.9927, 18.8681, 66.1011

Protanomaly

21.3770, 18.7043, 66.7736

Deuteranomaly

20.1284, 18.7820, 65.5152

Tritanomaly

16.5815, 18.6182, 39.7655

Monochromacy



Original Color

21.9927, 18.8681, 66.1011

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.8567, 17.8220, 32.2046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9927, 18.8681, 66.1011 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(86, 114, 214)` looks like.

```
.text, #text, p{  
    color:rgb(86, 114, 214)  
}
```

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(86, 114, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 114, 214) }
```

Border

The CSS property to change the border of an element to XYZ 21.9927, 18.8681, 66.1011 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(86, 114, 214) }
```


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

```
.border{ border-color:rgb(86, 114, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 114, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 114, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 114, 214);  
box-shadow:4px 4px 4px 4px rgb(86, 114,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9927, 18.8681, 66.1011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 114, 214) }
```

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

```
.background{ background-color: rgb(86, 114,  
214) }
```

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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