

Converting Colors

XYZ(22.1543, 18.6053, 86.6249)

Have a look what the booklet for
XYZ(22.1543, 18.6053, 86.6249)
contains.

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Color

**XYZ(22.1577, 18.6723,
86.4407)**

Conversions

Conversions Part 1

Format	Color
Hex	0073F2
RGB	0, 115, 242
RGB Percent	0%, 45%, 95%
CMY	0.9998, 0.5490, 0.0510
CMYK	1.00, 0.52, 0.00, 0.05
HSL	211°, 100%, 47%
HSV	211°, 100%, 95%
XYZ	22.1577, 18.6723, 86.4407
YIQ	95.0930, -109.3070, 15.1170

Conversions

Conversions Part 2

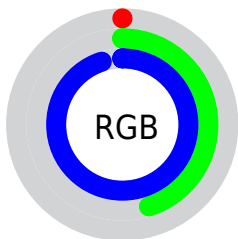
Format	Color
R _Y B	0, 78, 242
Decimal	29682
CIE Lab	50.30, 21.94, -70.88
CIE LCh	50, 74.196, 287.203
Yxy	18.6723, 0.1741, 0.1467
Android (android.graphics.Color)	4278219762 (0xFF0073F2)
YUV	95.0930, 72.4252, -83.3966
Hunter-Lab	43.2115, 15.9101, -88.3564

Details

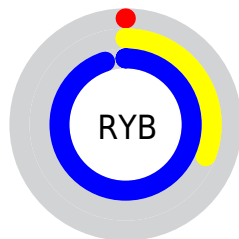
The XYZ color **22.1577, 18.6723, 86.4407** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark saturated azure. A complement of this color would be **44.2158, 34.0721, 4.2479**, and the grayscale version is **10.7550, 11.3151, 12.3222**.

A 20% lighter version of the original color is **37.9929, 37.7436, 99.8906**, and **10.8241, 7.6370, 46.8025** is the 20% darker color. If you saturate the color by 10%, you get **22.1542, 18.6651, 86.4400**, and if you desaturate by 10%, it is **24.0906, 21.9694, 86.9757**.

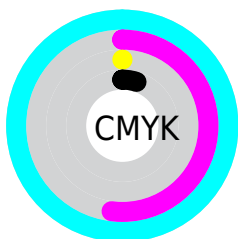
Distribution



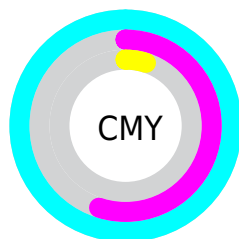
- Red (0%)
- Green (45%)
- Blue (95%)



- Red (0%)
- Yellow (31%)
- Blue (95%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (55%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1577, 18.6723, 86.4407 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 22.1577, 18.6723, 86.4407 by changing the saturation by 10% instead.

■ 22.1577, 18.6723,
86.4407

■ 22.1577, 18.6723,
86.4407

255.9856,
244.6337, 536.6517

■ 14.0901, 11.4337,
64.4755

■ 46.4834, 41.1796,
144.2763

■ 8.2655, 6.3594,
46.5872

■ 63.4722, 57.2172,
180.9837

■ 4.3185, 3.0648,
32.3575

■ 84.1655, 76.9565,
223.4424

■ 1.8839, 1.1657,
21.3676

■ 108.9285,
100.7820, 272.0707

■ 0.5674, 0.0334,
13.1991

■ 138.1267,
129.0781, 327.2872

■ 0.0000, 0.0000,
7.4335

172.1253,

■ 0.0000, 0.0000,

162.2291, 389.5105

3.6521

211.2899,
200.6195, 459.1592

■ 0.0000, 0.0000,
1.4365

■ 0.0000, 0.0000,
0.1699

■ 22.1577, 18.6723,
86.4407

■ 22.1577, 18.6723,
86.4407

■ 22.1542, 18.6651,
86.4400

■ 24.0906, 21.9694,
86.9757

■ 26.7055, 25.9258,
87.6016

■ 30.1584, 30.6326,
88.3281

■ 34.5444, 36.1492,
89.1617

■ 39.9442, 42.5269,
90.1081

■ 46.4290, 49.8119,
91.1725

■ 54.0630, 58.0461,
92.3595

■ 62.9051, 67.2686,
93.6736

■ 73.0097, 77.5160,
95.1190

Harmonies

Analogous

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



14.8584, 18.6723, 88.5247



22.1577, 18.6723, 86.4407



29.9452, 18.6723, 60.8306

Triad

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



22.1577, 18.6723, 86.4407



28.8927, 18.6723, 2.9209



7.3926, 18.6723, 12.7626

Complementary

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



22.1577, 18.6723, 86.4407



44.2158, 34.0721, 4.2479

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.



9.4142, 18.6723, 3.5519



22.1577, 18.6723, 86.4407



20.9886, 18.6723, 1.0055

Square

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



22.1577, 18.6723, 86.4407



34.4975, 18.6723, 10.7262



13.9651, 18.6723, 1.1154



7.5470, 18.6723, 34.4309

Rectangle

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



22.1577, 18.6723, 86.4407



33.7839, 18.6723, 39.8507



13.9651, 18.6723, 1.1154



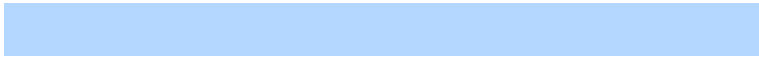
7.8110, 18.6723, 8.5262

Sweetspot

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



22.1586, 18.6728, 86.4412



60.7856, 65.2653, 104.0015



35.4588, 64.9873, 30.0981



12.1992, 13.1028, 22.1361



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.



22.1586, 18.6728, 86.4412



24.9049, 20.9298, 97.3350



16.0790, 6.4386, 84.4002



15.5167, 16.4674, 20.0823



12.0362, 10.2966, 46.4809



1.1003, 1.0545, 3.8998

Inverse Universe

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



39.7134, 20.1165, 18.0095



44.7000, 22.6440, 20.1502



67.0019, 81.6764, 12.2355



16.0855, 15.8839, 18.0063



21.4009, 10.8328, 10.0278



1.8303, 0.9212, 1.0972

Previews

White Background



This preview shows how the XYZ color 22.1577, 18.6723, 86.4407 looks on a white background.

Color Contrast Check

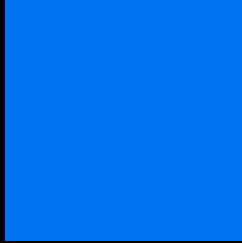
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1577, 18.6723, 86.4407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

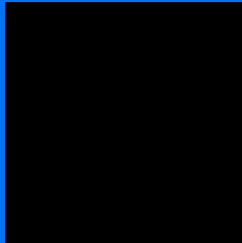
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

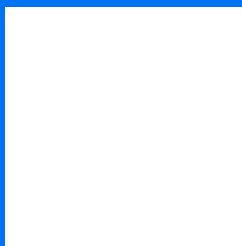
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1577, 18.6723, 86.4407

Background



This preview shows how black text looks on a background with the XYZ color 22.1577, 18.6723, 86.4407.



This preview shows how white text looks on a background with the XYZ color 22.1577, 18.6723,

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

22.1577, 18.6723, 86.4407

Protanopia

22.5344, 18.8665, 86.4583

Deuteranopia

18.7174, 18.6222, 64.2360

Trichromacy



Original Color

22.1577, 18.6723, 86.4407

Protanomaly

22.3547, 18.7738, 86.4499

Deuteranomaly

19.7816, 18.4676, 71.6292

Monochromacy



Original Color

22.1577, 18.6723, 86.4407

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.9601, 12.6015, 29.8189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1577, 18.6723, 86.4407 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(0, 115, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 242)  
}
```

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(0, 115, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 242) }
```

Border

The CSS property to change the border of an element to XYZ 22.1577, 18.6723, 86.4407 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(0, 115, 242) }
```

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

```
.border{ border-color:rgb(0, 115, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 115, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 115,  
242) }
```


Background

The CSS property to change the background color of an element to XYZ 22.1577, 18.6723, 86.4407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 242) }
```

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

```
.background{ background-color: rgb(0, 115,  
242) }
```

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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