

Converting Colors

XYZ(21.7419, 17.3692, 83.8680)

Have a look what the booklet for
XYZ(21.7419, 17.3692, 83.8680)
contains.

XYZ(21.7419, 17.3692, 83.8680)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(21.7419, 17.3692,
83.8680)**

Conversions

Conversions Part 1

Format	Color
Hex	266CEF
RGB	38, 108, 239
RGB Percent	15%, 42%, 94%
CMY	0.8509, 0.5765, 0.0627
CMYK	0.84, 0.55, 0.00, 0.06
HSL	219°, 86%, 54%
HSV	219°, 84%, 94%
XYZ	21.7419, 17.3692, 83.8680
YIQ	102.0040, -83.7710, 25.9010

Conversions

Conversions Part 2

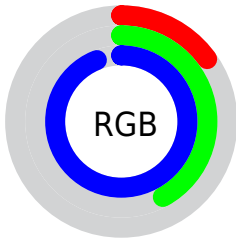
Format	Color
RYP	38, 90, 239
Decimal	2518255
CIELab	48.72, 26.82, -71.74
CIElCh	49, 76.592, 290.494
Yxy	17.3692, 0.1768, 0.1412
Android (android.graphics.Color)	4280708335 (0xFF266CEF)
YUV	102.0040, 67.5390, -56.1315
Hunter-Lab	41.6764, 20.1870, -90.1396

Details

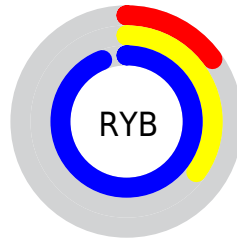
The XYZ color **21.7419, 17.3692, 83.8680** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **50.1394, 46.8756, 8.2409**, and the grayscale version is **12.4773, 13.1271, 14.2954**.

A 20% lighter version of the original color is **38.0559, 35.9382, 99.5387**, and **10.1661, 6.8226, 45.0371** is the 20% darker color. If you saturate the color by 10%, you get **19.6268, 14.0539, 83.3400**, and if you desaturate by 10%, it is **24.7168, 21.5635, 84.5213**.

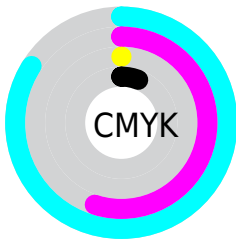
Distribution



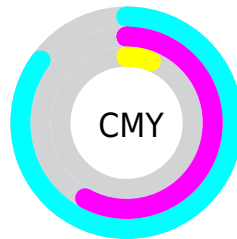
- Red (15%)
- Green (42%)
- Blue (94%)



- Red (15%)
- Yellow (35%)
- Blue (94%)



- Cyan (84%)
- Magenta (55%)
- Yellow (0%)
- Black (6%)



- Cyan (85%)
- Magenta (58%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7419, 17.3692, 83.8680 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 21.7419, 17.3692, 83.8680 by changing the saturation by 10% instead.

■ 21.7419, 17.3692,
83.8680

■ 21.7419, 17.3692,
83.8680

253.8532,
237.2911, 527.9214

■ 13.7829, 10.4981,
62.3617

■ 45.8011, 38.9595,
140.6506

■ 8.0505, 5.7304,
44.8874

■ 62.6320, 54.4474,
176.7640

■ 4.1794, 2.6819,
31.0264

■ 83.1509, 73.5764,
218.5835

■ 1.8041, 0.9680,
20.3603

■ 107.7232, 96.7309,
266.5276

■ 0.5201, 0.0000,
12.4706

■ 136.7142,
124.2952, 321.0149

■ 0.0000, 0.0000,
6.9386

170.4893,

■ 0.0000, 0.0000,

156.6537, 382.4639

3.3459

209.4139,
194.1909, 451.2933

■ 0.0000, 0.0000,
1.2738

■ 0.0000, 0.0000,
0.0402

■ 21.7419, 17.3692,
83.8680

■ 21.7419, 17.3692,
83.8680

■ 19.6268, 14.0539,
83.3400

■ 24.7168, 21.5635,
84.5213

■ 18.6899, 12.4516,
83.0801

■ 28.6569, 26.7127,
85.3075

■ 33.6534, 32.8840,
86.2353

■ 39.7852, 40.1367,
87.3120

■ 47.1232, 48.5253,
88.5444

■ 55.7321, 58.1001,
89.9388

■ 65.6717, 68.9082,
91.5011

■ 76.9981, 80.9940,
93.2370

■ 89.7638, 94.3994,
95.1516

Harmonies

Analogous

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



14.3636, 17.3692, 89.1864



21.7419, 17.3692, 83.8680



29.3796, 17.3692, 56.0766

Triad

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



21.7419, 17.3692, 83.8680



26.7577, 17.3692, 1.9688



6.4017, 17.3692, 13.1825

Complementary

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



21.7419, 17.3692, 83.8680



50.1394, 46.8756, 8.2409

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.



8.0830, 17.3692, 3.3815



21.7419, 17.3692, 83.8680



18.8578, 17.3692, 0.5917

Square

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



21.7419, 17.3692, 83.8680



32.8021, 17.3692, 8.2918



12.1911, 17.3692, 0.8571



6.7668, 17.3692, 36.0854

Rectangle

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



21.7419, 17.3692, 83.8680



32.9291, 17.3692, 35.1224



12.1911, 17.3692, 0.8571



6.7226, 17.3692, 8.6617

Sweetspot

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



21.7428, 17.3696, 83.8685



63.5055, 66.1423, 104.0274



38.7962, 64.9976, 47.8692



12.8147, 13.2964, 22.1410



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.



21.7428, 17.3696, 83.8685



21.6046, 14.3293, 96.2349



18.6697, 8.8548, 82.3869



15.3474, 16.1288, 20.0259



10.4391, 7.1024, 45.9486



0.9583, 0.7705, 3.8524

Inverse Universe

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



38.9974, 20.8212, 16.1508



43.0342, 21.9777, 11.3782



57.4701, 75.4074, 13.3618



16.0000, 15.8497, 17.5563



20.5948, 10.5103, 5.7827



1.7586, 0.8925, 0.7198

Previews

White Background



This preview shows how the XYZ color 21.7419, 17.3692, 83.8680 looks on a white background.

Color Contrast Check

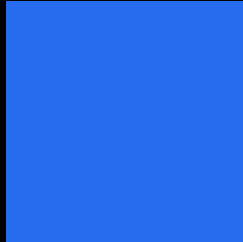
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.7419, 17.3692, 83.8680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

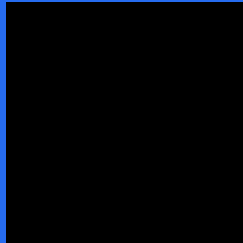
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

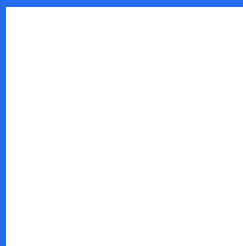
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7419, 17.3692, 83.8680

Background



This preview shows how black text looks on a background with the XYZ color 21.7419, 17.3692, 83.8680.

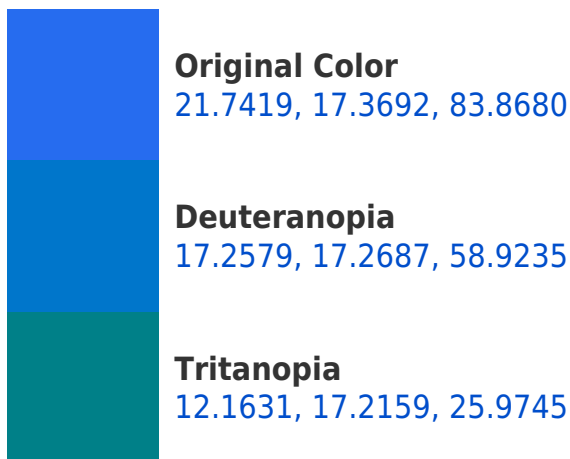


This preview shows how white text looks on a background with the XYZ color 21.7419, 17.3692,

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



Trichromacy



Original Color

21.7419, 17.3692, 83.8680

Deuteranomaly

18.5931, 17.0859, 67.2837

Tritanomaly

14.5613, 16.7852, 42.0076

Monochromacy



Original Color

21.7419, 17.3692, 83.8680

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.8423, 13.8299, 31.6456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7419, 17.3692, 83.8680 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(38, 108, 239)` looks like.

```
.text, #text, p{  
    color:rgb(38, 108, 239)  
}
```

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(38, 108, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 108, 239) }
```

Border

The CSS property to change the border of an element to XYZ 21.7419, 17.3692, 83.8680 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(38, 108, 239) }
```

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

```
.border{ border-color:rgb(38, 108, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 108, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 108, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 108, 239);  
box-shadow:4px 4px 4px 4px rgb(38, 108,  
239) }
```


Background

The CSS property to change the background color of an element to XYZ 21.7419, 17.3692, 83.8680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 108, 239) }
```

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

```
.background{ background-color: rgb(38, 108,  
239) }
```

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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