

Converting Colors

XYZ(17.3749, 13.2789, 70.6477)

Have a look what the booklet for
XYZ(17.3749, 13.2789, 70.6477)
contains.

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Color

**XYZ(17.3677, 13.2411,
70.7476)**

Conversions

Conversions Part 1

Format	Color
Hex	135DDE
RGB	19, 93, 222
RGB Percent	7%, 36%, 87%
CMY	0.9254, 0.6353, 0.1294
CMYK	0.91, 0.58, 0.00, 0.13
HSL	218°, 84%, 47%
HSV	218°, 91%, 87%
XYZ	17.3677, 13.2411, 70.7476
YIQ	85.5800, -85.5130, 24.4310

Conversions

Conversions Part 2

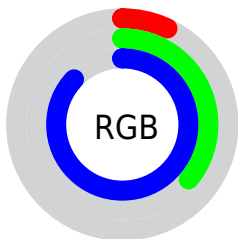
Format	Color
R _Y B	19, 73, 222
Decimal	1269214
CIE Lab	43.12, 28.88, -71.29
CIE LCh	43, 76.917, 292.056
Yxy	13.2411, 0.1714, 0.1306
Android (android.graphics.Color)	4279459294 (0xFF135DDE)
YUV	85.5800, 67.2551, -58.3907
Hunter-Lab	36.3883, 21.5163, -89.8021

Details

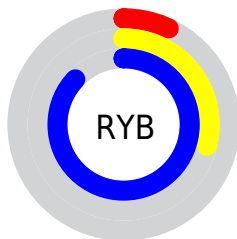
The XYZ color **17.3677, 13.2411, 70.7476** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **40.8374, 36.7673, 5.5620**, and the grayscale version is **8.6345, 9.0842, 9.8927**.

A 20% lighter version of the original color is **34.1791, 30.1161, 98.6193**, and **7.9812, 4.9498, 36.6111** is the 20% darker color. If you saturate the color by 10%, you get **16.1201, 11.1443, 70.4090**, and if you desaturate by 10%, it is **19.3778, 16.2884, 71.2302**.

Distribution



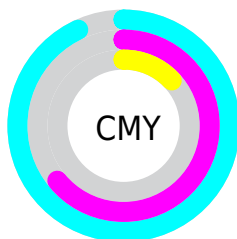
- Red (7%)
- Green (36%)
- Blue (87%)



- Red (7%)
- Yellow (29%)
- Blue (87%)



- Cyan (91%)
- Magenta (58%)
- Yellow (0%)
- Black (13%)



- Cyan (93%)
- Magenta (64%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3677, 13.2411, 70.7476 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 17.3677, 13.2411, 70.7476 by changing the saturation by 10% instead.

■ 17.3677, 13.2411,
70.7476

■ 17.3677, 13.2411,
70.7476

230.3977,
212.4571, 482.0305

■ 10.5939, 7.5948,
51.6557

■ 38.4955, 31.7363,
121.9654

■ 5.8598, 3.8368,
36.3503

■ 53.5802, 45.3539,
154.9283

■ 2.7998, 1.5827,
24.4131

■ 72.1660, 62.3974,
193.3520

■ 1.0488, 0.3459,
15.4253

■ 94.6181, 83.2512,
237.6549

■ 0.0000, 0.0000,
8.9685

■ 121.3020,
108.2997, 288.2557

■ 0.0000, 0.0000,
4.6241

152.5830,

■ 0.0000, 0.0000,

137.9272, 345.5729

1.9736

188.8264,
172.5182, 410.0250

■ 0.0000, 0.0000,
0.5390

■ 0.0000, 0.0000,
0.0000

■ 17.3677, 13.2411,
70.7476

■ 17.3677, 13.2411,
70.7476

■ 16.1201, 11.1443,
70.4090

■ 19.3778, 16.2884,
71.2302

■ 22.1266, 20.0732,
71.8159

■ 25.6990, 24.6550,
72.5120

■ 30.1660, 30.0857,
73.3248

■ 35.5908, 36.4121,
74.2600

■ 42.0301, 43.6770,
75.3228

■ 49.5361, 51.9201,
76.5183

■ 58.1570, 61.1788,
77.8511

■ 67.9384, 71.4883,
79.3254

Harmonies

Analogous

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



11.0752, 13.2411, 76.9110



17.3677, 13.2411, 70.7476



23.8804, 13.2411, 45.2347

Triad

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



17.3677, 13.2411, 70.7476



20.9729, 13.2411, 0.9574



4.3367, 13.2411, 10.3610

Complementary

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



17.3677, 13.2411, 70.7476



40.8374, 36.7673, 5.5620

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.



5.5680, 13.2411, 2.2206



17.3677, 13.2411, 70.7476



14.2267, 13.2411, 0.0000

Square

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



17.3677, 13.2411, 70.7476



26.3765, 13.2411, 5.3066



8.7728, 13.2411, 0.2142



4.7027, 13.2411, 30.4728

Rectangle

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



17.3677, 13.2411, 70.7476



26.8371, 13.2411, 26.9902



8.7728, 13.2411, 0.2142



4.5591, 13.2411, 6.5190

Sweetspot

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



17.3684, 13.2414, 70.7480



61.6903, 64.3861, 103.7841



31.7027, 54.5064, 36.6926



12.4750, 12.9754, 22.0969



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.



17.3684, 13.2414, 70.7480



21.9581, 15.0361, 96.3527



14.5493, 6.3239, 69.5614



13.3590, 14.0570, 17.3969



9.6717, 6.8130, 41.8537



0.7536, 0.6387, 2.9288

Inverse Universe

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



32.3336, 16.7869, 11.8919



43.2126, 22.0490, 12.3176



48.7289, 63.8838, 10.3801



13.9127, 13.7827, 15.3102



18.8220, 9.5958, 5.7286



1.3466, 0.6819, 0.6183

Previews

White Background



This preview shows how the XYZ color 17.3677, 13.2411, 70.7476 looks on a white background.

Color Contrast Check

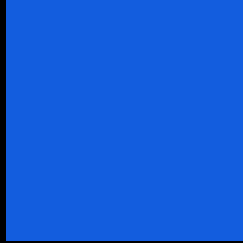
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3677, 13.2411, 70.7476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

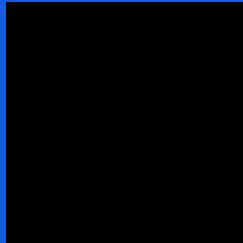
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

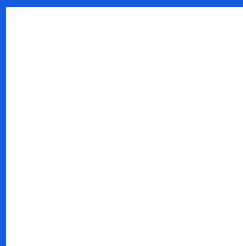
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.3677, 13.2411, 70.7476

Background



This preview shows how black text looks on a background with the XYZ color 17.3677, 13.2411, 70.7476.



This preview shows how white text looks on a background with the XYZ color 17.3677, 13.2411,

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

17.3677, 13.2411, 70.7476

Protanopia

15.5372, 13.0544, 60.7323

Deuteranopia

12.9862, 13.1150, 43.9665



Tritanopia

9.1239, 12.9203, 19.4657

Trichromacy



Original Color

17.3677, 13.2411, 70.7476

Protanomaly

16.1542, 13.1644, 63.9769

Deuteranomaly

14.3824, 13.0546, 52.8007

Tritanomaly

11.1399, 12.5486, 33.2875

Monochromacy



Original Color

17.3677, 13.2411, 70.7476

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.9322, 9.9182, 24.3126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3677, 13.2411, 70.7476 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(19, 93, 222)` looks like.

```
.text, #text, p{  
    color:rgb(19, 93, 222)  
}
```

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(19, 93, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 93, 222) }
```

Border

The CSS property to change the border of an element to XYZ 17.3677, 13.2411, 70.7476 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(19, 93, 222) }
```


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

```
.border{ border-color:rgb(19, 93, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 93, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 93, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 93, 222);  
box-shadow:4px 4px 4px 4px rgb(19, 93,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3677, 13.2411, 70.7476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 93, 222) }
```

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

```
.background{ background-color: rgb(19, 93,  
222) }
```

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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