

Converting Colors

XYZ(18.1280, 13.8382, 74.8434)

Have a look what the booklet for
XYZ(18.1280, 13.8382, 74.8434)
contains.

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Color

**XYZ(18.1584, 13.8181,
75.1089)**

Conversions

Conversions Part 1

Format	Color
Hex	055FE4
RGB	5, 95, 228
RGB Percent	2%, 37%, 89%
CMY	0.9802, 0.6275, 0.1059
CMYK	0.98, 0.58, 0.00, 0.11
HSL	216°, 96%, 46%
HSV	216°, 98%, 89%
XYZ	18.1584, 13.8181, 75.1089
YIQ	83.2520, -96.3330, 22.2830

Conversions

Conversions Part 2

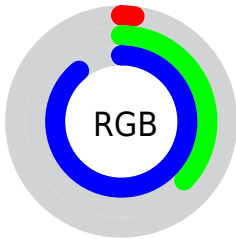
Format	Color
R _Y B	5, 69, 228
Decimal	352228
CIE Lab	43.97, 29.48, -73.32
CIE LCh	44, 79.020, 291.902
Yxy	13.8181, 0.1696, 0.1290
Android (android.graphics.Color)	4278542308 (0xFF055FE4)
YUV	83.2520, 71.3608, -68.6270
Hunter-Lab	37.1727, 22.1428, -93.7769

Details

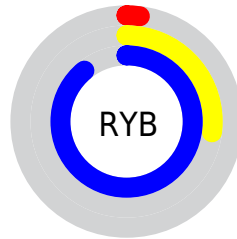
The XYZ color **18.1584, 13.8181, 75.1089** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **41.1203, 34.7002, 4.6759**, and the grayscale version is **8.1505, 8.5749, 9.3381**.

A 20% lighter version of the original color is **34.2388, 30.5966, 98.7089**, and **8.4913, 5.2215, 39.0884** is the 20% darker color. If you saturate the color by 10%, you get **17.8290, 13.2522, 75.0174**, and if you desaturate by 10%, it is **19.9050, 16.6988, 75.5733**.

Distribution



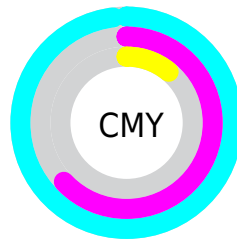
- Red (2%)
- Green (37%)
- Blue (89%)



- Red (2%)
- Yellow (27%)
- Blue (89%)



- Cyan (98%)
- Magenta (58%)
- Yellow (0%)
- Black (11%)



- Cyan (98%)
- Magenta (63%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1584, 13.8181, 75.1089 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 18.1584, 13.8181, 75.1089 by changing the saturation by 10% instead.

■ 18.1584, 13.8181,
75.1089

■ 18.1584, 13.8181,
75.1089

234.7907,
216.0963, 497.5572

■ 11.1641, 7.9943,
55.1998

■ 39.8350, 32.7659,
128.2150

■ 6.2455, 4.0913,
39.1621

■ 55.2481, 46.6587,
162.2492

■ 3.0370, 1.7248,
26.5770

■ 74.1982, 64.0099,
201.8287

■ 1.1733, 0.4396,
17.0262

■ 97.0506, 85.2039,
247.3723

■ 0.0852, 0.0000,
10.0910

■ 124.1707,
110.6252, 299.2984

■ 0.0000, 0.0000,
5.3529

155.9238,

■ 0.0000, 0.0000,

140.6581, 358.0255

2.3935

192.6754,
175.6870, 423.9723

■ 0.0000, 0.0000,
0.7829

■ 0.0000, 0.0000,
0.0000

■ 18.1584, 13.8181,
75.1089

■ 18.1584, 13.8181,
75.1089

■ 17.8290, 13.2522,
75.0174

■ 19.9050, 16.6988,
75.5733

■ 22.3365, 20.2656,
76.1336

■ 25.5632, 24.5896,
76.7981

■ 29.6672, 29.7266,
77.5734

■ 34.7188, 35.7256,
78.4650

■ 40.7809, 42.6312,
79.4784

■ 47.9103, 50.4842,
80.6185

■ 56.1595, 59.3229,
81.8897

■ 65.5774, 69.1831,
83.2966

Harmonies

Analogous

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



11.5090, 13.8181, 81.5526



18.1584, 13.8181, 75.1089



25.0754, 13.8181, 47.9428

Triad

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



18.1584, 13.8181, 75.1089



22.0552, 13.8181, 0.9527



4.4540, 13.8181, 10.6907

Complementary

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



18.1584, 13.8181, 75.1089



41.1203, 34.7002, 4.6759

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.



5.7525, 13.8181, 2.2205



18.1584, 13.8181, 75.1089



14.9045, 13.8181, 0.0000

Square

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



18.1584, 13.8181, 75.1089



27.7783, 13.8181, 5.4978



9.1336, 13.8181, 0.1744



4.8284, 13.8181, 31.9297

Rectangle

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



18.1584, 13.8181, 75.1089



28.2314, 13.8181, 28.5064



9.1336, 13.8181, 0.1744



4.6894, 13.8181, 6.6726

Sweetspot

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



18.1592, 13.8184, 75.1093



60.3829, 63.5801, 103.6974



32.1878, 57.2721, 32.3202



12.0615, 12.6623, 22.0583



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.



18.1592, 13.8184, 75.1093



22.8875, 16.8950, 96.6625



14.4268, 5.9011, 73.7778



14.0577, 14.8368, 18.2672



10.4042, 7.8705, 43.3540



0.8580, 0.7598, 3.2334

Inverse Universe

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



34.1155, 17.4302, 12.3925



43.6817, 22.2367, 14.7880



54.1854, 69.1152, 10.6300



14.6167, 14.4639, 16.1821



19.6451, 9.9922, 7.0259



1.4967, 0.7564, 0.7561

Previews

White Background



This preview shows how the XYZ color 18.1584, 13.8181, 75.1089 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 18.1584, 13.8181, 75.1089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

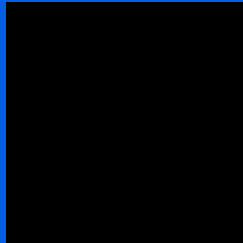
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

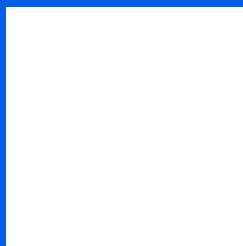
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.1584, 13.8181, 75.1089

Background



This preview shows how black text looks on a background with the XYZ color 18.1584, 13.8181, 75.1089.



This preview shows how white text looks on a background with the XYZ color 18.1584, 13.8181,

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

18.1584, 13.8181, 75.1089

Protanopia

16.3150, 13.8175, 63.4352

Deuteranopia

13.4945, 13.6443, 45.6384



Tritanopia

9.6436, 13.6666, 20.5420

Trichromacy



Original Color

18.1584, 13.8181, 75.1089

Protanomaly

16.9171, 13.7580, 67.4096

Deuteranomaly

14.9694, 13.5929, 55.2608

Tritanomaly

11.8206, 13.3112, 35.6645

Monochromacy



Original Color

18.1584, 13.8181, 75.1089

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.4277, 9.4062, 24.6112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1584, 13.8181, 75.1089 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(5, 95, 228)` looks like.

```
.text, #text, p{  
    color:rgb(5, 95, 228)  
}
```

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(5, 95, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 95, 228) }
```

Border

The CSS property to change the border of an element to XYZ 18.1584, 13.8181, 75.1089 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(5, 95, 228) }
```


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

```
.border{ border-color:rgb(5, 95, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 95, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 95, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 95, 228);  
box-shadow:4px 4px 4px 4px rgb(5, 95, 228)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.1584, 13.8181, 75.1089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 95, 228) }
```

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

```
.background{ background-color: rgb(5, 95,  
228) }
```

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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