

Converting Colors

XYZ(17.7771, 12.8137, 76.0316)

Have a look what the booklet for
XYZ(17.7771, 12.8137, 76.0316)
contains.

XYZ(17.8553, 12.8579, 76.4037)	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>	31

Color

**XYZ(17.8553, 12.8579,
76.4037)**

Conversions

Conversions Part 1

Format	Color
Hex	0059E6
RGB	0, 89, 230
RGB Percent	0%, 35%, 90%
CMY	0.9998, 0.6510, 0.0980
CMYK	1.00, 0.61, 0.00, 0.10
HSL	217°, 100%, 45%
HSV	217°, 100%, 90%
XYZ	17.8553, 12.8579, 76.4037
YIQ	78.4630, -98.3050, 24.9830

Conversions

Conversions Part 2

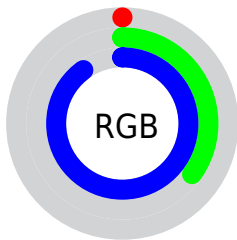
Format	Color
RYB	0, 64, 230
Decimal	23014
CIELab	42.55, 34.00, -76.78
CIElCh	43, 83.969, 293.883
Yxy	12.8579, 0.1667, 0.1200
Android (android.graphics.Color)	4278213094 (0xFF0059E6)
YUV	78.4630, 74.7077, -68.8121
Hunter-Lab	35.8579, 26.1320, -101.2307

Details

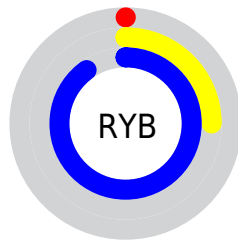
The XYZ color **17.8553, 12.8579, 76.4037** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **42.1677, 35.8913, 4.7070**, and the grayscale version is **7.2089, 7.5843, 8.2593**.

A 20% lighter version of the original color is **33.3228, 28.5851, 98.3689**, and **8.4812, 4.8939, 40.0328** is the 20% darker color. If you saturate the color by 10%, you get **17.8522, 12.8516, 76.4030**, and if you desaturate by 10%, it is **19.4982, 15.6170, 76.8501**.

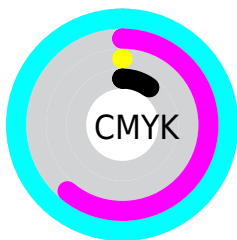
Distribution



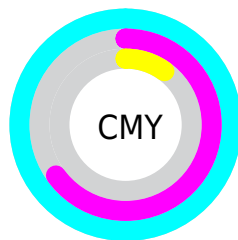
- Red (0%)
- Green (35%)
- Blue (90%)



- Red (0%)
- Yellow (25%)
- Blue (90%)



- Cyan (100%)
- Magenta (61%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (65%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8553, 12.8579, 76.4037 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 17.8553, 12.8579, 76.4037 by changing the saturation by 10% instead.

■ 17.8553, 12.8579,
76.4037

■ 17.8553, 12.8579,
76.4037

233.1156,
210.0050, 502.1121

■ 10.9452, 7.3308,
56.2550

■ 39.3226, 31.0483,
130.0627

■ 6.0970, 3.6698,
40.0020

■ 54.6106, 44.4803,
164.4101

■ 2.9454, 1.4906,
27.2263

■ 73.4218, 61.3160,
204.3274

■ 1.1249, 0.2821,
17.5093

■ 96.1218, 81.9400,
250.2332

■ 0.0458, 0.0000,
10.4325

■ 123.0758,
106.7364, 302.5460

■ 0.0000, 0.0000,
5.5773

154.6492,

■ 0.0000, 0.0000,

136.0898, 361.6844

2.5252

191.2073,
170.3845, 428.0669

■ 0.0000, 0.0000,
0.8535

■ 0.0000, 0.0000,
0.0000

■ 17.8553, 12.8579,
76.4037

■ 17.8553, 12.8579,
76.4037

■ 17.8522, 12.8516,
76.4030

■ 19.4982, 15.6170,
76.8501

■ 21.7978, 19.0662,
77.3946

■ 24.8996, 23.2968,
78.0477

■ 28.8915, 28.3693,
78.8164

■ 33.8487, 34.3371,
79.7070

■ 39.8375, 41.2480,
80.7253

■ 46.9180, 49.1461,
81.8766

■ 55.1454, 58.0724,
83.1659

■ 64.5711, 68.0652,
84.5980

Harmonies

Analogous

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



10.9667, 12.8579, 85.3910



17.8553, 12.8579, 76.4037



24.9617, 12.8579, 46.3404

Triad

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



17.8553, 12.8579, 76.4037



20.9140, 12.8579, 0.3864



3.6619, 12.8579, 10.5975

Complementary

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



17.8553, 12.8579, 76.4037



42.1677, 35.8913, 4.7070

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.



4.7780, 12.8579, 1.8537



17.8553, 12.8579, 76.4037



13.5676, 12.8579, 0.0000

Square

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



17.8553, 12.8579, 76.4037



27.1133, 12.8579, 4.0841



7.9175, 12.8579, 0.0000



4.1161, 12.8579, 33.4436

Rectangle

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



17.8553, 12.8579, 76.4037



28.0860, 12.8579, 26.1104



7.9175, 12.8579, 0.0000



3.8485, 12.8579, 6.3687

Sweetspot

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



17.8560, 12.8582, 76.4041



59.1027, 61.8996, 103.4405



32.8870, 58.4300, 33.5989



11.8038, 12.3122, 22.0043



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.



17.8560, 12.8582, 76.4041



22.4770, 16.0740, 96.5257



14.6383, 5.8973, 75.2301



14.0376, 14.7967, 18.2605



10.2169, 7.4959, 43.2915



0.8429, 0.7297, 3.2284

Inverse Universe

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



34.4371, 17.5457, 11.0225



43.4745, 22.1538, 13.6969



54.0313, 69.8604, 10.6384



14.6066, 14.4598, 16.1287



19.5505, 9.9544, 6.5280



1.4891, 0.7533, 0.7160

Previews

White Background



This preview shows how the XYZ color 17.8553, 12.8579, 76.4037 looks on a white background.

Color Contrast Check

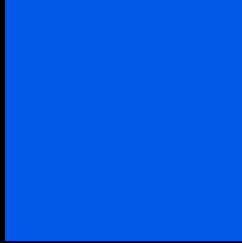
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8553, 12.8579, 76.4037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

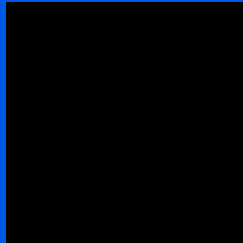
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8553, 12.8579, 76.4037

Background



This preview shows how black text looks on a background with the XYZ color 17.8553, 12.8579, 76.4037.



This preview shows how white text looks on a background with the XYZ color 17.8553, 12.8579,

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

17.8553, 12.8579, 76.4037

Protanopia

15.0820, 12.7254, 58.7881

Deuteranopia

12.5881, 12.7956, 42.3638



Tritanopia

8.8953, 12.6532, 18.8031

Trichromacy



Original Color

17.8553, 12.8579, 76.4037

Protanomaly

15.9246, 12.6328, 64.5498

Deuteranomaly

14.2180, 12.6755, 53.3270

Tritanomaly

11.0218, 12.1691, 34.1157

Monochromacy



Original Color

17.8553, 12.8579, 76.4037

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.5663, 8.4062, 23.3614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8553, 12.8579, 76.4037 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, 89, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 89, 230)  
}
```

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, 89, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 89, 230) }
```

Border

The CSS property to change the border of an element to XYZ 17.8553, 12.8579, 76.4037 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, 89, 230) }
```


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

```
.border{ border-color:rgb(0, 89, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 89, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 89, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 89, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 89, 230)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.8553, 12.8579, 76.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 89, 230) }
```

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

```
.background{ background-color: rgb(0, 89,  
230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor