

Converting Colors

XYZ(17.7370, 12.7334, 76.0183)

Have a look what the booklet for
XYZ(17.7370, 12.7334, 76.0183)
contains.

XYZ(17.7727, 12.6926, 76.3761)	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(17.7727, 12.6926,
76.3761)**

Conversions

Conversions Part 1

Format	Color
Hex	0058E6
RGB	0, 88, 230
RGB Percent	0%, 35%, 90%
CMY	0.9997, 0.6549, 0.0980
CMYK	1.00, 0.62, 0.00, 0.10
HSL	217°, 100%, 45%
HSV	217°, 100%, 90%
XYZ	17.7727, 12.6926, 76.3761
YIQ	77.8760, -98.0300, 25.5060

Conversions

Conversions Part 2

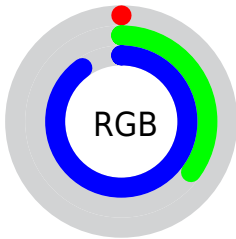
Format	Color
RYB	0, 64, 230
Decimal	22758
CIELab	42.30, 34.64, -77.19
CIELCh	42, 84.609, 294.168
Yxy	12.6926, 0.1663, 0.1188
Android (android.graphics.Color)	4278212838 (0xFF0058E6)
YUV	77.8760, 74.9971, -68.2973
Hunter-Lab	35.6267, 26.6997, -102.1666

Details

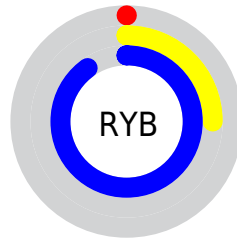
The XYZ color **17.7727, 12.6926, 76.3761** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **42.3169, 36.1896, 4.7569**, and the grayscale version is **7.0986, 7.4683, 8.1329**.

A 20% lighter version of the original color is **33.1800, 28.2995, 98.3213**, and **8.4435, 4.8185, 40.0202** is the 20% darker color. If you saturate the color by 10%, you get **17.7692, 12.6857, 76.3753**, and if you desaturate by 10%, it is **19.4092, 15.4388, 76.8203**.

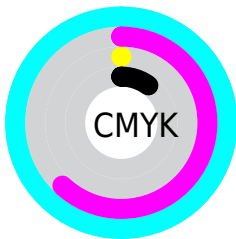
Distribution



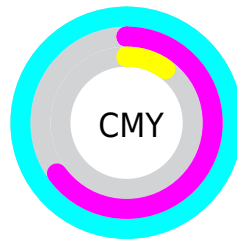
- Red (0%)
- Green (35%)
- Blue (90%)



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



- Cyan (100%)
- Magenta (62%)
- Yellow (0%)
- Black (10%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7727, 12.6926, 76.3761 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 17.7727, 12.6926, 76.3761 by changing the saturation by 10% instead.

■ 17.7727, 12.6926,
76.3761

■ 17.7727, 12.6926,
76.3761

232.6572,
208.9381, 502.0152

■ 10.8856, 7.2172,
56.2325

■ 39.1828, 30.7504,
130.0234

■ 6.0567, 3.5983,
39.9841

■ 54.4364, 44.1016,
164.3641

■ 2.9206, 1.4515,
27.2124

■ 73.2097, 60.8469,
204.2742

■ 1.1119, 0.2542,
17.4990

■ 95.8679, 81.3706,
250.1723

■ 0.0350, 0.0000,
10.4252

■ 122.7764,
106.0572, 302.4769

■ 0.0000, 0.0000,
5.5725

154.3005,

■ 0.0000, 0.0000,

135.2911, 361.6066

2.5224

190.8057,
169.4566, 427.9798

■ 0.0000, 0.0000,
0.8520

■ 0.0000, 0.0000,
0.0000

■ 17.7727, 12.6926,
76.3761

■ 17.7727, 12.6926,
76.3761

■ 17.7692, 12.6857,
76.3753

■ 19.4092, 15.4388,
76.8203

■ 21.7052, 18.8805,
77.3636

■ 24.8062, 23.1093,
78.0164

■ 28.8006, 28.1865,
78.7859

■ 33.7636, 34.1658,
79.6784

■ 39.7620, 41.0955,
80.6998

■ 46.8559, 49.0201,
81.8555

■ 55.1008, 57.9809,
83.1506

■ 64.5481, 68.0167,
84.5898

Harmonies

Analogous

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



10.8676, 12.6926, 85.7321



17.7727, 12.6926, 76.3761



24.8864, 12.6926, 45.9729

Triad

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



17.7727, 12.6926, 76.3761



20.6964, 12.6926, 0.3026



3.5482, 12.6926, 10.5687

Complementary

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



17.7727, 12.6926, 76.3761



42.3169, 36.1896, 4.7569

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.



4.6357, 12.6926, 1.8034



17.7727, 12.6926, 76.3761



13.3449, 12.6926, 0.0000

Square

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



17.7727, 12.6926, 76.3761



26.9473, 12.6926, 3.8899



7.7308, 12.6926, 0.0000



4.0116, 12.6926, 33.5996

Rectangle

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



17.7727, 12.6926, 76.3761



27.9960, 12.6926, 25.6952



7.7308, 12.6926, 0.0000



3.7277, 12.6926, 6.3180

Sweetspot

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



17.7734, 12.6929, 76.3765



59.0213, 61.7368, 103.4134



33.1697, 58.5431, 35.0875



11.7848, 12.2741, 21.9980



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.



17.7734, 12.6929, 76.3765



22.3727, 15.8654, 96.4909



14.7329, 5.9462, 75.2345



14.0324, 14.7861, 18.2588



10.1692, 7.4005, 43.2756



0.8390, 0.7220, 3.2271

Inverse Universe

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



34.3954, 17.5291, 10.8028



43.4219, 22.1328, 13.4197



52.9736, 69.3151, 10.5891



14.6039, 14.4588, 16.1147



19.5265, 9.9448, 6.4013



1.4871, 0.7526, 0.7058

Previews

White Background



This preview shows how the XYZ color 17.7727, 12.6926, 76.3761 looks on a white background.

Color Contrast Check

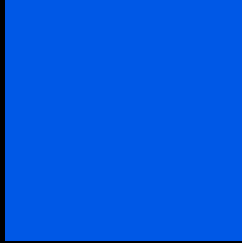
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7727, 12.6926, 76.3761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

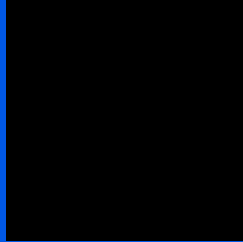
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.7727, 12.6926, 76.3761

Background



This preview shows how black text looks on a background with the XYZ color 17.7727, 12.6926, 76.3761.



This preview shows how white text looks on a background with the XYZ color 17.7727, 12.6926,

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

17.7727, 12.6926, 76.3761

Protanopia

14.9624, 12.6775, 58.1583

Deuteranopia

12.2942, 12.5199, 41.3038



Tritanopia

8.7868, 12.4362, 18.7669

Trichromacy



Original Color

17.7727, 12.6926, 76.3761

Protanomaly

15.9246, 12.6328, 64.5498

Deuteranomaly

14.0123, 12.4444, 52.7024

Tritanomaly

10.9229, 11.9714, 34.0828

Monochromacy



Original Color

17.7727, 12.6926, 76.3761

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 17.7727, 12.6926, 76.3761 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, 88, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 88, 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, 88, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 88, 230) }
```

Border

The CSS property to change the border of an element to XYZ 17.7727, 12.6926, 76.3761 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, 88, 230) }
```


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

```
.border{ border-color:rgb(0, 88, 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, 88, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 88, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 88, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 88, 230)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.7727, 12.6926, 76.3761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 88, 230) }
```

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

```
.background{ background-color: rgb(0, 88,  
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](#).

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