

Converting Colors

XYZ(17.6403, 7.4105, 76.8818)

Have a look what the booklet for
XYZ(17.6403, 7.4105, 76.8818)
contains.

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Color

**XYZ(17.6261, 7.4040,
76.8440)**

Conversions

Conversions Part 1

Format	Color
Hex	4D00E8
RGB	77, 0, 232
RGB Percent	30%, 0%, 91%
CMY	0.6980, 1.0000, 0.0902
CMYK	0.67, 1.00, 0.00, 0.09
HSL	260°, 100%, 45%
HSV	260°, 100%, 91%
XYZ	17.6261, 7.4040, 76.8440
YIQ	49.4710, -28.5800, 88.4760

Conversions

Conversions Part 2

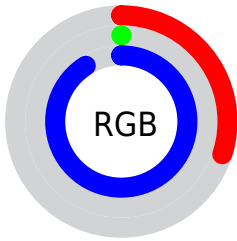
Format	Color
R_{YB}	77, 0, 232
Decimal	5046504
CIE _{Lab}	32.71, 75.18, -94.08
CIE _{LCh}	33, 120.429, 308.626
Yxy	7.4040, 0.1730, 0.0727
Android (android.graphics.Color)	4283236584 (0xFF4D00E8)
YUV	49.4710, 89.9868, 24.1429
Hunter-Lab	27.2103, 68.0095, -148.3924

Details

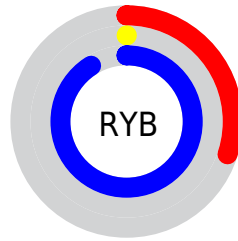
The XYZ color **17.6261, 7.4040, 76.8440** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **42.3724, 64.6810, 10.2514**, and the grayscale version is **2.8776, 3.0274, 3.2969**.

A 20% lighter version of the original color is **32.4652, 18.1881, 96.4073**, and **7.7379, 3.0951, 40.7470** is the 20% darker color. If you saturate the color by 10%, you get **17.6269, 7.4044, 76.8443**, and if you desaturate by 10%, it is **19.3406, 8.7486, 77.0134**.

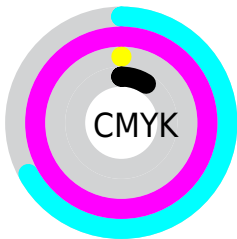
Distribution



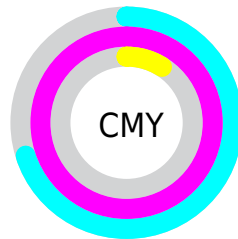
- Red (30%)
- Green (0%)
- Blue (91%)



- Red (30%)
- Yellow (0%)
- Blue (91%)



- Cyan (67%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)



- Cyan (70%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6261, 7.4040, 76.8440 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 17.6261, 7.4040, 76.8440 by changing the saturation by 10% instead.

■ 17.6261, 7.4040,
76.8440

■ 17.6261, 7.4040,
76.8440

231.8416,
170.9797, 503.6555

■ 10.7799, 3.7160,
56.6141

■ 38.9343, 20.7815,
130.6902

■ 5.9853, 1.5160,
40.2882

■ 54.1270, 31.2397,
165.1436

■ 2.8767, 0.3000,
27.4478

■ 72.8326, 44.7235,
205.1752

■ 1.0889, 0.0000,
17.6744

■ 95.4165, 61.6173,
251.2036

■ 0.0158, 0.0000,
10.5495

■ 122.2440, 82.3054,
303.6473

■ 0.0000, 0.0000,
5.6544


■ 153.6804,

■ 0.0000, 0.0000,


107.1722, 362.9248


2.5707


 190.0912,
136.6022, 429.4547

 0.0000, 0.0000,
0.8773


 0.0000, 0.0000,
0.0000


 17.6261, 7.4040,
76.8440


 17.6261, 7.4040,
76.8440

 17.6269, 7.4044,
76.8443

 19.3406, 8.7486,
77.0134

 21.7435, 11.0002,
77.3214

 24.9719, 14.4051,
77.8085

 29.1108, 19.1094,
78.4983

■ 34.2337, 25.2367,
79.4110

■ 40.4056, 32.8960,
80.5641

■ 47.6857, 42.1851,
81.9734

■ 56.1283, 53.1936,
83.6533

■ 65.7843, 66.0046,
85.6171

Harmonies

Analogous

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



9.0142, 7.4040, 113.9379



17.6261, 7.4040, 76.8440



25.4098, 7.4040, 28.4583

Triad

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



17.6261, 7.4040, 76.8440



12.4377, 7.4040, 0.0000



0.5352, 7.4040, 14.4620

Complementary

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



17.6261, 7.4040, 76.8440



42.3724, 64.6810, 10.2514

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.



0.7041, 7.4040, 0.8742



17.6261, 7.4040, 76.8440



5.3729, 7.4040, 0.0000

Square

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



17.6261, 7.4040, 76.8440



21.3704, 7.4040, 0.0000



1.8617, 7.4040, 0.0000



1.1829, 7.4040, 54.8716

Rectangle

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



17.6261, 7.4040, 76.8440



27.4123, 7.4040, 8.9224



1.8617, 7.4040, 0.0000



0.5028, 7.4040, 7.2582

Sweetspot

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



17.6269, 7.4044, 76.8443



58.9427, 52.0824, 101.5540



26.8836, 30.4624, 80.8071



11.7630, 10.0522, 21.5702



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.



17.6269, 7.4044, 76.8443



21.7641, 9.1347, 95.2238



35.6678, 16.7048, 77.6886



14.0313, 14.1184, 18.1299



9.9047, 4.1720, 42.6664



0.8274, 0.3575, 3.1574

Inverse Universe

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



39.1944, 19.5221, 32.7085



48.5294, 24.1758, 40.3154



29.8335, 58.2170, 9.6646



14.7810, 14.5296, 17.0473



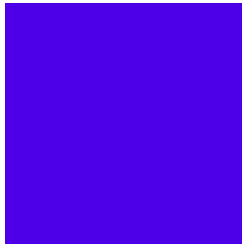
21.8198, 10.8621, 18.4778



1.6550, 0.8197, 1.5897

Previews

White Background



This preview shows how the XYZ color 17.6261, 7.4040, 76.8440 looks on a white background.

Color Contrast Check

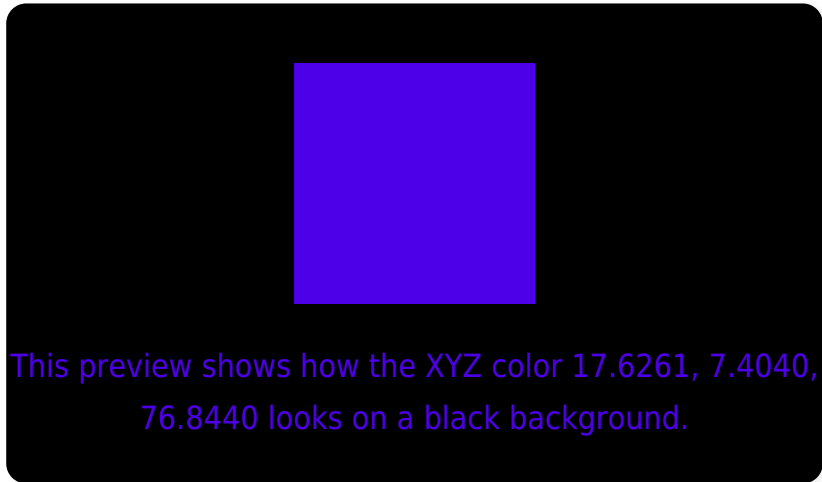
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

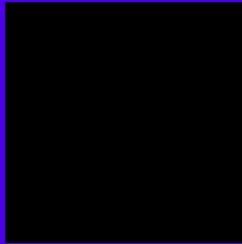
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.6261, 7.4040, 76.8440

Background



This preview shows how black text looks on a background with the XYZ color 17.6261, 7.4040, 76.8440.



This preview shows how white text looks on a background with the XYZ color 17.6261, 7.4040,

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

17.6261, 7.4040, 76.8440

Protanopia

8.8424, 7.6721, 33.8157

Deuteranopia

7.3156, 7.6341, 24.0096



Tritanopia

5.3840, 7.6067, 11.5404

Trichromacy



Original Color

17.6261, 7.4040, 76.8440

Protanomaly

10.3988, 5.9060, 47.0463

Deuteranomaly

8.9626, 5.6051, 38.6397

Tritanomaly

6.8791, 4.9929, 26.9867

Monochromacy



Original Color

17.6261, 7.4040, 76.8440

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

5.4460, 3.1707, 16.8480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6261, 7.4040, 76.8440 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(77, 0, 232)` looks like.

```
.text, #text, p{  
    color:rgb(77, 0, 232)  
}
```

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(77, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 0, 232) }
```

Border

The CSS property to change the border of an element to XYZ 17.6261, 7.4040, 76.8440 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(77, 0, 232) }
```


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

```
.border{ border-color:rgb(77, 0, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 0, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(77, 0, 232)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.6261, 7.4040, 76.8440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 0, 232) }
```

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

```
.background{ background-color: rgb(77, 0,  
232) }
```

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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