

Converting Colors

XYZ(51.9004, 28.2462, 81.6293)

Have a look what the booklet for
XYZ(51.9004, 28.2462, 81.6293)
contains.

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Color

**XYZ(51.7776, 28.2113,
81.3136)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | EC46EB |
| RGB | 236, 70, 235 |
| RGB Percent | 93%, 27%, 92% |
| CMY | 0.0745, 0.7255, 0.0784 |
| CMYK | 0.00, 0.70, 0.00, 0.07 |
| HSL | 300°, 81%, 60% |
| HSV | 300°, 70%, 93% |
| XYZ | 51.7776, 28.2113, 81.3136 |
| YIQ | 138.4440, 45.9710, 86.5070 |

Conversions

Conversions Part 2

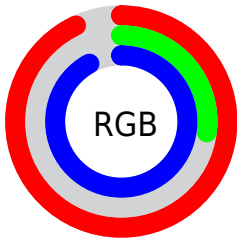
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 236, 70, 235 |
| Decimal | 15484651 |
| CIE _{Lab} | 60.08, 80.43, -50.28 |
| CIE _{LCh} | 60, 94.852, 327.987 |
| Y _{xy} | 28.2113, 0.3210, 0.1749 |
| Android (android.graphics.Color) | 4293674731 (0xFFEC46EB) |
| YUV | 138.4440, 47.6021, 85.5566 |
| Hunter-Lab | 53.1143, 81.0577, -53.5881 |

Details

The XYZ color **51.7776, 28.2113, 81.3136** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **33.6598, 61.7492, 16.1074**, and the grayscale version is **24.1400, 25.3972, 27.6575**.

A 20% lighter version of the original color is **67.5413, 44.9825, 99.7304**, and **25.9404, 12.4445, 43.1543** is the 20% darker color. If you saturate the color by 10%, you get **50.5605, 25.8091, 80.8067**, and if you desaturate by 10%, it is **53.5765, 31.7754, 82.0150**.

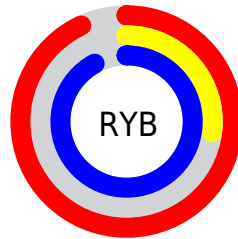
Distribution



Red (93%)

Green (27%)

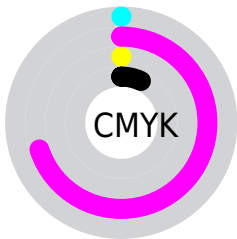
Blue (92%)



Red (93%)

Yellow (27%)

Blue (92%)

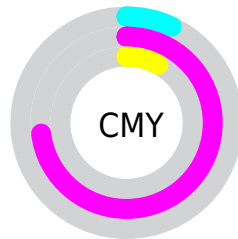


Cyan (0%)

Magenta (70%)

Yellow (0%)

Black (7%)



Cyan (7%)

Magenta (73%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7776, 28.2113, 81.3136 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 51.7776, 28.2113, 81.3136 by changing the saturation by 10% instead.


 51.7776, 28.2113,
81.3136

 51.7776, 28.2113,
81.3136


383.9155,
293.4752, 519.1719


 37.0514, 18.4850,
60.2674


 91.9793, 56.8216,
137.0390


 25.4211, 11.2988,
43.2075


 118.1856, 76.4744,
172.5554


 16.5215, 6.2682,
29.7153


 148.9492,
100.2049, 213.7322

 9.9871, 3.0088,
19.3724

 184.6355,
128.3973, 260.9879

 5.4526, 1.1363,
11.7602

 225.6100,
161.4362, 314.7413

 2.5527, 0.0088,
6.4600

272.2379,

 0.9219, 0.0000,

199.7059, 375.4107

3.0535

324.8846,
243.5907, 443.4147

■ 0.0000, 0.0000,
1.1220

■ 0.0000, 0.0000,
0.0000

■ 51.7776, 28.2113,
81.3136

■ 51.7776, 28.2113,
81.3136

■ 50.5605, 25.8091,
80.8067

■ 53.5765, 31.7754,
82.0150

■ 49.8495, 24.4200,
80.4684

■ 56.0148, 36.6189,
82.9293

■ 49.5271, 23.8069,
80.2630

■ 59.1464, 42.8493,
84.0748

■ 63.0191, 50.5616,
85.4674

67.6761, 59.8426,
87.1216

73.1575, 70.7723,
89.0506

79.5006, 83.4253,
91.2670

85.5131, 95.4173,
93.3732

85.5338, 95.4256,
93.4823

Harmonies

Analogous

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



39.2819, 28.2113, 135.1336



51.7776, 28.2113, 81.3136



57.4367, 28.2113, 33.1180

Triad

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



51.7776, 28.2113, 81.3136



27.6396, 28.2113, 0.6146



11.0687, 28.2113, 73.7995

Complementary

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



51.7776, 28.2113, 81.3136



33.6598, 61.7492, 16.1074

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.



9.6349, 28.2113, 28.4355



51.7776, 28.2113, 81.3136



17.3102, 28.2113, 1.4505

Square

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



51.7776, 28.2113, 81.3136



41.1364, 28.2113, 1.7783



11.5280, 28.2113, 7.2034



16.2742, 28.2113, 128.9460

Rectangle

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



51.7776, 28.2113, 81.3136



55.5910, 28.2113, 14.3928



11.5280, 28.2113, 7.2034



10.2136, 28.2113, 56.2317

Sweetspot

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



51.7787, 28.2126, 81.3142



80.2297, 70.4426, 103.7036



19.8575, 11.7399, 80.5774



16.8267, 14.3883, 22.0744



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.



51.7787, 28.2126, 81.3142



59.8687, 29.9692, 96.1504



42.5334, 24.5145, 32.6290



15.7107, 15.3121, 19.0279



27.3017, 13.1234, 44.2518



2.1451, 1.0310, 3.4816

Inverse Universe

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



51.7787, 28.2126, 81.3142



59.8687, 29.9692, 96.1504



38.2724, 63.5942, 40.3967



15.7107, 15.3121, 19.0279



27.3017, 13.1234, 44.2518



2.1451, 1.0310, 3.4816

Previews

White Background



This preview shows how the XYZ color 51.7776, 28.2113, 81.3136 looks on a white background.

Color Contrast Check

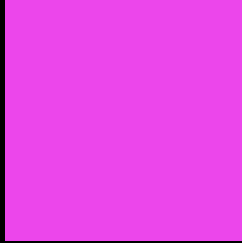
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 51.7776, 28.2113, 81.3136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

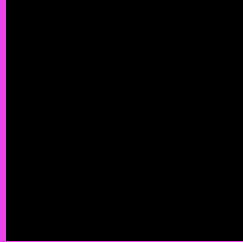
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.7776, 28.2113, 81.3136

Background



This preview shows how black text looks on a background with the XYZ color 51.7776, 28.2113, 81.3136.



This preview shows how white text looks on a background with the XYZ color 51.7776, 28.2113,

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

51.7776, 28.2113, 81.3136

Protanopia

32.0374, 28.7901, 98.4762

Deuteranopia

29.2704, 28.5818, 73.7862



Tritanopia

39.2182, 28.1242, 20.1911

Trichromacy



Original Color

51.7776, 28.2113, 81.3136



Protanomaly

34.6903, 25.1974, 91.8421



Deuteranomaly

33.4804, 25.2752, 75.7870



Tritanomaly

42.4323, 27.2165, 36.2746

Monochromacy



Original Color

51.7776, 28.2113, 81.3136



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

30.9035, 23.8261, 42.5053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7776, 28.2113, 81.3136 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(236, 70, 235)` looks like.

```
.text, #text, p{  
    color:rgb(236, 70, 235)  
}
```

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(236, 70, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 70, 235) }
```

Border

The CSS property to change the border of an element to XYZ 51.7776, 28.2113, 81.3136 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(236, 70, 235) }
```


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

```
.border{ border-color:rgb(236, 70, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 70, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 70, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 70, 235);  
box-shadow:4px 4px 4px 4px rgb(236, 70,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7776, 28.2113, 81.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 70, 235) }
```

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

```
.background{ background-color: rgb(236, 70,  
235) }
```

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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