

Converting Colors

XYZ(51.6513, 24.7268, 88.2766)

Have a look what the booklet for
XYZ(51.6513, 24.7268, 88.2766)
contains.

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Color

**XYZ(51.7413, 24.7697,
88.4402)**

Conversions

Conversions Part 1

Format	Color
Hex	EE00F5
RGB	238, 0, 245
RGB Percent	93%, 0%, 96%
CMY	0.0667, 0.9999, 0.0392
CMYK	0.03, 1.00, 0.00, 0.04
HSL	298°, 100%, 48%
HSV	298°, 100%, 96%
XYZ	51.7413, 24.7697, 88.4402
YIQ	99.0920, 63.2030, 126.6510

Conversions

Conversions Part 2

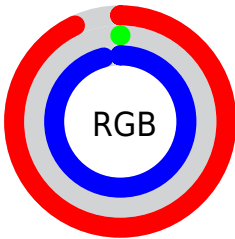
Format	Color
R _Y B	238, 0, 245
Decimal	15597813
CIE _{Lab}	56.85, 94.25, -61.00
CIE _{LCh}	57, 112.269, 327.087
Yxy	24.7697, 0.3137, 0.1502
Android (android.graphics.Color)	4293787893 (0xFFEE00F5)
YUV	99.0920, 71.9326, 121.8223
Hunter-Lab	49.7692, 98.4771, -70.5204

Details

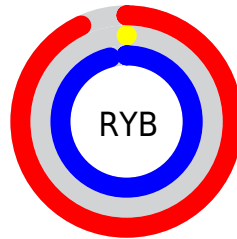
The XYZ color **51.7413, 24.7697, 88.4402** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **32.7408, 65.3506, 10.8894**, and the grayscale version is **11.7021, 12.3116, 13.4073**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **27.2086, 12.9780, 48.6479** is the 20% darker color. If you saturate the color by 10%, you get **51.7416, 24.7698, 88.4405**, and if you desaturate by 10%, it is **52.3153, 25.5671, 88.5642**.

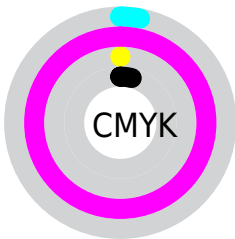
Distribution



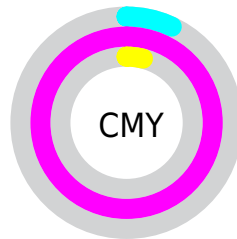
- Red (93%)
- Green (0%)
- Blue (96%)



- Red (93%)
- Yellow (0%)
- Blue (96%)



- Cyan (3%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)




- Cyan (7%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7413, 24.7697, 88.4402 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 51.7413, 24.7697, 88.4402 by changing the saturation by 10% instead.

 51.7413, 24.7697,
88.4402


 51.7413, 24.7697,
88.4402

383.7774,
276.6891, 543.3823


 37.0223, 15.9056,
66.1213


 91.9261, 51.2834,
147.0864


 25.3985, 9.4573,
47.9138

 118.1226, 69.7017,
184.2507


 16.5045, 5.0407,
33.3991


 148.8758, 92.0735,
227.2006

 9.9750, 2.2711,
22.1587

 184.5508,
118.7832, 276.3546

 5.4445, 0.7584,
13.7742

 225.5132,
150.2152, 332.1312

 2.5478, 0.0000,
7.8268

272.1281,

 0.9194, 0.0000,

186.7540, 394.9490

3.8981

324.7611,
228.7838, 465.2266

■ 0.0000, 0.0000,
1.5696

■ 0.0000, 0.0000,
0.2690

■ 51.7413, 24.7697,
88.4402

■ 51.7413, 24.7697,
88.4402

■ 51.7416, 24.7698,
88.4405

■ 52.3153, 25.5671,
88.5642

■ 53.3137, 27.2130,
88.8293

■ 54.8692, 29.9716,
89.2798

■ 57.0606, 34.0008,
89.9420

■ 59.9543, 39.4332,
90.8380

■ 63.6082, 46.3846,
91.9872

■ 68.0743, 54.9590,
93.4068

■ 73.4000, 65.2513,
95.1127

■ 79.6290, 77.3487,
97.1195

Harmonies

Analogous

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



37.0148, 24.7697, 156.1877



51.7413, 24.7697, 88.4402



58.8391, 24.7697, 30.8143

Triad

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



51.7413, 24.7697, 88.4402



24.8495, 24.7697, 0.0000



7.4578, 24.7697, 75.1218

Complementary

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



51.7413, 24.7697, 88.4402



32.7408, 65.3506, 10.8894

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.



6.2568, 24.7697, 23.4595



51.7413, 24.7697, 88.4402



13.8148, 24.7697, 0.0000

Square

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



51.7413, 24.7697, 88.4402



40.1019, 24.7697, 0.2635



8.0701, 24.7697, 3.6695



12.3149, 24.7697, 144.6339

Rectangle

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



51.7413, 24.7697, 88.4402



56.8688, 24.7697, 10.8127



8.0701, 24.7697, 3.6695



6.7148, 24.7697, 54.2890

Sweetspot

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



51.7423, 24.7708, 88.4407



74.5105, 60.1079, 102.2826



16.5710, 6.7709, 86.8201



15.4827, 11.9698, 21.7443



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.



51.7423, 24.7708, 88.4407



56.6602, 27.1243, 96.8569



41.7321, 21.0435, 23.2230



17.1641, 16.7427, 20.8696



27.8955, 13.3550, 47.6455



2.4662, 1.1812, 4.1883

Inverse Universe

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



37.6953, 19.4288, 1.9654



41.2799, 21.2760, 2.1402



35.7104, 66.5283, 26.9844



16.5183, 16.4902, 17.2101



20.3153, 10.4696, 1.1028



1.7921, 0.9228, 0.1318

Previews

White Background



This preview shows how the XYZ color 51.7413, 24.7697, 88.4402 looks on a white background.

Color Contrast Check

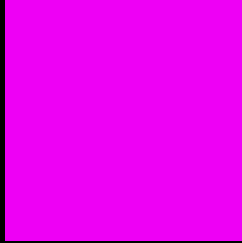
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.7413, 24.7697, 88.4402 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 51.7413, 24.7697, 88.4402

Background



This preview shows how black text looks on a background with the XYZ color 51.7413, 24.7697, 88.4402.



This preview shows how white text looks on a background with the XYZ color 51.7413, 24.7697,

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

51.7413, 24.7697, 88.4402

Protanopia

29.2476, 25.6479, 98.0168

Deuteranopia

26.1954, 25.3460, 78.3745



Tritanopia

36.7553, 24.8746, 15.6960

Trichromacy



Original Color

51.7413, 24.7697, 88.4402



Protanomaly

30.1768, 18.3676, 93.2216



Deuteranomaly

28.3166, 18.0459, 80.5880



Tritanomaly

39.5800, 22.1980, 33.2089

Monochromacy



Original Color

51.7413, 24.7697, 88.4402



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

20.0227, 12.3060, 31.0258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7413, 24.7697, 88.4402 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(238, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 245)  
}
```

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(238, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 245) }
```

Border

The CSS property to change the border of an element to XYZ 51.7413, 24.7697, 88.4402 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(238, 0, 245) }
```


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

```
.border{ border-color:rgb(238, 0, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 0, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(238, 0,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7413, 24.7697, 88.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 0, 245) }
```

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

```
.background{ background-color: rgb(238, 0,  
245) }
```

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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