

Converting Colors

XYZ(49.9171, 24.0071, 80.3201)

Have a look what the booklet for
XYZ(49.9171, 24.0071, 80.3201)
contains.

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Color

**XYZ(49.9204, 24.0027,
80.5991)**

Conversions

Conversions Part 1

Format	Color
Hex	ED00EB
RGB	237, 0, 235
RGB Percent	93%, 0%, 92%
CMY	0.0706, 0.9998, 0.0784
CMYK	0.00, 1.00, 0.01, 0.07
HSL	301°, 100%, 46%
HSV	301°, 100%, 93%
XYZ	49.9204, 24.0027, 80.5991
YIQ	97.6530, 65.8170, 123.3290

Conversions

Conversions Part 2

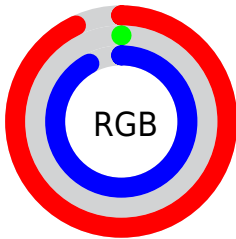
Format	Color
R _Y B	237, 0, 235
Decimal	15532267
CIE Lab	56.09, 92.68, -56.63
CIE LCh	56, 108.608, 328.575
Yxy	24.0027, 0.3231, 0.1553
Android (android.graphics.Color)	4293722347 (0xFFED00EB)
YUV	97.6530, 67.7121, 122.2073
Hunter-Lab	48.9926, 96.1436, -63.2450

Details

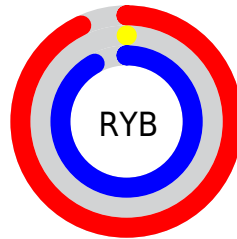
The XYZ color **49.9204, 24.0027, 80.5991** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **30.2963, 60.5739, 10.1538**, and the grayscale version is **11.3559, 11.9473, 13.0106**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **25.9404, 12.4445, 43.1543** is the 20% darker color. If you saturate the color by 10%, you get **49.9209, 24.0029, 80.5992**, and if you desaturate by 10%, it is **50.2712, 24.6572, 80.8589**.

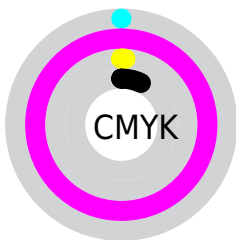
Distribution



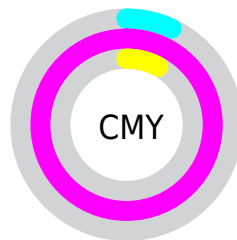
- Red (93%)
- Green (0%)
- Blue (92%)



- Red (93%)
- Yellow (0%)
- Blue (92%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9204, 24.0027, 80.5991 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 49.9204, 24.0027, 80.5991 by changing the saturation by 10% instead.


 49.9204, 24.0027,
80.5991

 49.9204, 24.0027,
80.5991


376.8117,
272.8341, 516.7095


 35.5677, 15.3356,
59.6824


 89.2495, 50.0346,
136.0267


 24.2691, 9.0553,
42.7391


 114.9565, 68.1682,
171.3747


 15.6591, 4.7773,
29.3506


 145.1791, 90.2261,
212.3702

 9.3726, 2.1172,
19.0983

 180.2825,
116.5928, 259.4318

 5.0440, 0.6743,
11.5638

 220.6321,
147.6525, 312.9780

 2.3082, 0.0000,
6.3285

266.5933,

 0.7988, 0.0000,

183.7897, 373.4273

2.9738

318.5313,
225.3888, 441.1983

■ 0.0000, 0.0000,
1.0813

■ 0.0000, 0.0000,
0.0000

■ 49.9204, 24.0027,
80.5991

■ 49.9204, 24.0027,
80.5991

■ 49.9209, 24.0029,
80.5992

■ 50.2712, 24.6572,
80.8589

■ 51.0131, 26.0946,
81.2491

■ 52.2701, 28.5622,
81.8112

■ 54.1149, 32.2052,
82.5693

■ 56.6084, 37.1458,
83.5439

■ 59.8041, 43.4907,
84.7527

■ 63.7499, 51.3356,
86.2117

■ 68.4894, 60.7680,
87.9354

■ 74.0630, 71.8685,
89.9373

Harmonies

Analogous

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



36.2753, 24.0027, 144.2773



49.9204, 24.0027, 80.5991



56.0574, 24.0027, 27.8757

Triad

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



49.9204, 24.0027, 80.5991



23.4139, 24.0027, 0.0000



7.5945, 24.0027, 74.5078

Complementary

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



49.9204, 24.0027, 80.5991



30.2963, 60.5739, 10.1538

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.



6.2823, 24.0027, 24.4681



49.9204, 24.0027, 80.5991



13.1781, 24.0027, 0.0929

Square

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



49.9204, 24.0027, 80.5991



37.6971, 24.0027, 0.2817



7.8838, 24.0027, 4.2171



12.4764, 24.0027, 139.0213

Rectangle

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



49.9204, 24.0027, 80.5991



53.8318, 24.0027, 9.8221



7.8838, 24.0027, 4.2171



6.8213, 24.0027, 54.5968

Sweetspot

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



49.9214, 24.0038, 80.5996



75.2062, 60.4786, 101.7732



15.2872, 6.1157, 80.4965



15.6524, 12.0602, 21.6200



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.



49.9214, 24.0038, 80.5996



58.9452, 28.3421, 95.1643



38.2270, 19.3261, 19.0179



15.7090, 15.3115, 19.0191



27.2573, 13.1056, 44.0177



2.1421, 1.0298, 3.4658

Inverse Universe

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



49.9214, 24.0038, 80.5996



58.9452, 28.3421, 95.1643



33.5862, 61.8898, 27.4782



15.7090, 15.3115, 19.0191



27.2573, 13.1056, 44.0177



2.1421, 1.0298, 3.4658

Previews

White Background



This preview shows how the XYZ color 49.9204, 24.0027, 80.5991 looks on a white background.

Color Contrast Check

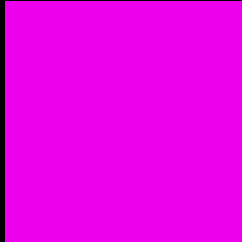
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.9204, 24.0027, 80.5991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

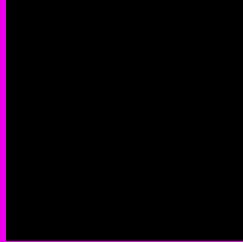
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.9204, 24.0027, 80.5991

Background



This preview shows how black text looks on a background with the XYZ color 49.9204, 24.0027, 80.5991.



This preview shows how white text looks on a background with the XYZ color 49.9204, 24.0027,

80.5991.

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

49.9204, 24.0027, 80.5991

Protanopia

28.6160, 24.9158, 97.9087

Deuteranopia

25.4226, 24.6678, 71.8281



Tritanopia

36.1560, 24.0657, 14.2948

Trichromacy



Original Color

49.9204, 24.0027, 80.5991



Protanomaly

29.1669, 17.7851, 90.7025



Deuteranomaly

27.7831, 17.7963, 73.9222



Tritanomaly

38.5878, 21.5969, 30.1518

Monochromacy



Original Color

49.9204, 24.0027, 80.5991



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.4623, 11.9729, 29.3022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9204, 24.0027, 80.5991 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(237, 0, 235)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 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(237, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 235) }
```

Border

The CSS property to change the border of an element to XYZ 49.9204, 24.0027, 80.5991 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(237, 0, 235) }
```


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

```
.border{ border-color:rgb(237, 0, 235) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9204, 24.0027, 80.5991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 235) }
```

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

```
.background{ background-color: rgb(237, 0,  
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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