

Converting Colors

XYZ(49.6535, 24.3141, 69.2516)

Have a look what the booklet for
XYZ(49.6535, 24.3141, 69.2516)
contains.

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Color

**XYZ(49.5356, 24.2547,
69.0886)**

Conversions

Conversions Part 1

Format	Color
Hex	F20CDB
RGB	242, 12, 219
RGB Percent	95%, 5%, 86%
CMY	0.0510, 0.9528, 0.1412
CMYK	0.00, 0.95, 0.10, 0.05
HSL	306°, 91%, 50%
HSV	306°, 95%, 95%
XYZ	49.5356, 24.2547, 69.0886
YIQ	104.3680, 70.6330, 113.1370

Conversions

Conversions Part 2

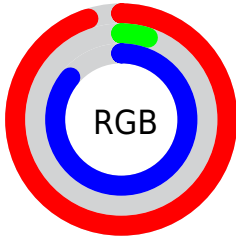
Format	Color
R _Y B	242, 12, 219
Decimal	15863003
CIE Lab	56.34, 90.56, -47.13
CIE LCh	56, 102.088, 332.503
Yxy	24.2547, 0.3467, 0.1698
Android (android.graphics.Color)	4294053083 (0xFFFF20CDB)
YUV	104.3680, 56.5136, 120.7033
Hunter-Lab	49.2491, 93.3527, -48.7001

Details

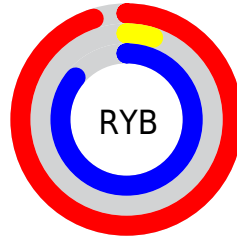
The XYZ color **49.5356, 24.2547, 69.0886** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **32.2087, 63.7049, 12.1922**, and the grayscale version is **13.1033, 13.7857, 15.0126**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **25.6669, 12.4681, 35.7041** is the 20% darker color. If you saturate the color by 10%, you get **49.2465, 23.9287, 68.2128**, and if you desaturate by 10%, it is **50.3639, 25.3968, 70.9486**.

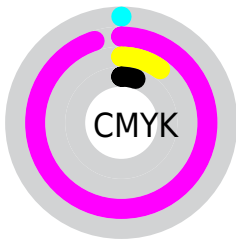
Distribution



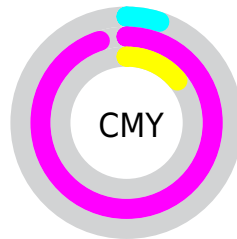
- Red (95%)
- Green (5%)
- Blue (86%)



- Red (95%)
- Yellow (5%)
- Blue (86%)



- Cyan (0%)
- Magenta (95%)
- Yellow (10%)
- Black (5%)




- Cyan (5%)
- Magenta (95%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5356, 24.2547, 69.0886 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 49.5356, 24.2547, 69.0886 by changing the saturation by 10% instead.


 49.5356, 24.2547,
69.0886


 49.5356, 24.2547,
69.0886

375.3291,
274.1056, 476.0458


 35.2608, 15.5227,
50.3117

 88.6824, 50.4455,
119.5770

 24.0313, 9.1870,
35.2882


 114.2851, 68.6731,
152.1256

 15.4817, 4.8634,
23.5996


 144.3945, 90.8346,
190.1017

 9.2467, 2.1673,
14.8274

 179.3759,
117.3145, 233.9241

 4.9608, 0.7021,
8.5531

 219.5947,
148.4972, 284.0111

 2.2588, 0.0000,
4.3580

265.4163,

 0.7735, 0.0000,

184.7670, 340.7814

1.8237

317.2060,
226.5083, 404.6534

■ 0.0000, 0.0000,
0.4436

■ 0.0000, 0.0000,
0.0000

■ 49.5356, 24.2547,
69.0886

■ 49.5356, 24.2547,
69.0886

■ 49.2465, 23.9287,
68.2128

■ 50.3639, 25.3968,
70.9486

■ 51.6905, 27.5290,
72.9975

■ 53.6022, 30.8237,
75.2645

■ 56.1688, 35.4207,
77.7729

■ 59.4501, 41.4397,
80.5428

■ 63.4994, 48.9869,
83.5921

■ 68.3647, 58.1587,
86.9368

■ 74.0901, 69.0431,
90.5917

■ 80.7167, 81.7221,
94.5705

Harmonies

Analogous

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



37.4862, 24.2547, 127.5360



49.5356, 24.2547, 69.0886



53.8800, 24.2547, 23.6774

Triad

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



49.5356, 24.2547, 69.0886



22.0786, 24.2547, 0.0000



8.7448, 24.2547, 78.8259

Complementary

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



49.5356, 24.2547, 69.0886



32.2087, 63.7049, 12.1922

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.



7.0246, 24.2547, 29.3436



49.5356, 24.2547, 69.0886



12.9014, 24.2547, 0.7721

Square

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



49.5356, 24.2547, 69.0886



35.1674, 24.2547, 0.4604



8.2368, 24.2547, 6.3583



14.0998, 24.2547, 135.7992

Rectangle

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



49.5356, 24.2547, 69.0886



50.9371, 24.2547, 8.5533



8.2368, 24.2547, 6.3583



7.8240, 24.2547, 59.8147

Sweetspot

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



49.5365, 24.2559, 69.0891



74.6558, 61.0808, 96.3397



16.8536, 7.0328, 84.4744



15.4882, 12.1489, 20.2795



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.



49.5365, 24.2559, 69.0891



55.4520, 26.9448, 76.7696



39.2503, 20.1414, 14.9226



16.3821, 16.0026, 19.5685



26.4845, 12.8662, 36.7976



2.2228, 1.0782, 3.1642

Inverse Universe

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



49.5365, 24.2559, 69.0891



55.4520, 26.9448, 76.7696



37.4111, 65.7859, 39.5878



16.3821, 16.0026, 19.5685



26.4845, 12.8662, 36.7976



2.2228, 1.0782, 3.1642

Previews

White Background



This preview shows how the XYZ color 49.5356, 24.2547, 69.0886 looks on a white background.

Color Contrast Check

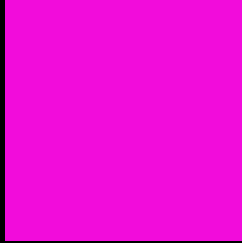
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.5356, 24.2547, 69.0886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

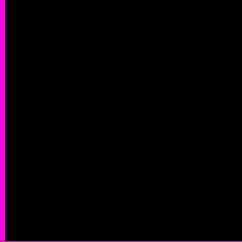
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.5356, 24.2547, 69.0886

Background



This preview shows how black text looks on a background with the XYZ color 49.5356, 24.2547, 69.0886.



This preview shows how white text looks on a background with the XYZ color 49.5356, 24.2547,

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

49.5356, 24.2547, 69.0886

Protanopia

28.6852, 24.9515, 97.9120

Deuteranopia

25.3981, 24.6677, 61.8152



Tritanopia

37.9731, 24.4121, 12.8358

Trichromacy



Original Color

49.5356, 24.2547, 69.0886



Protanomaly

28.8768, 18.2155, 85.9984



Deuteranomaly

28.7405, 18.8855, 63.7585



Tritanomaly

40.1350, 22.5591, 26.2838

Monochromacy



Original Color

49.5356, 24.2547, 69.0886



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

20.7680, 13.4518, 28.6960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5356, 24.2547, 69.0886 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(242, 12, 219)` looks like.

```
.text, #text, p{  
    color:rgb(242, 12, 219)  
}
```

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(242, 12, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 12, 219) }
```

Border

The CSS property to change the border of an element to XYZ 49.5356, 24.2547, 69.0886 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(242, 12, 219) }
```


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

```
.border{ border-color:rgb(242, 12, 219) }
```

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

Here you see how a box with a 4 pixel rgb(242, 12, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 12, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 12, 219);  
box-shadow:4px 4px 4px 4px rgb(242, 12,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5356, 24.2547, 69.0886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 12, 219) }
```

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

```
.background{ background-color: rgb(242, 12,  
219) }
```

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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