

Converting Colors

XYZ(47.7397, 24.1542, 56.0511)

Have a look what the booklet for
XYZ(47.7397, 24.1542, 56.0511)
contains.

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Color

**XYZ(47.7609, 24.1582,
56.1785)**

Conversions

Conversions Part 1

Format	Color
Hex	F31FC7
RGB	243, 31, 199
RGB Percent	95%, 12%, 78%
CMY	0.0471, 0.8783, 0.2196
CMYK	0.00, 0.87, 0.18, 0.05
HSL	312°, 90%, 54%
HSV	312°, 87%, 95%
XYZ	47.7609, 24.1582, 56.1785
YIQ	113.5400, 72.4240, 97.1920

Conversions

Conversions Part 2

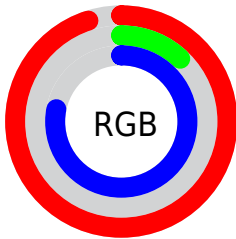
Format	Color
R _{YB}	243, 31, 199
Decimal	15933383
CIE Lab	56.25, 86.11, -35.85
CIE LCh	56, 93.270, 337.396
Yxy	24.1582, 0.3728, 0.1886
Android (android.graphics.Color)	4294123463 (0xFFFF31FC7)
YUV	113.5400, 42.1318, 113.5364
Hunter-Lab	49.1510, 87.4374, -33.3615

Details

The XYZ color **47.7609, 24.1582, 56.1785** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **33.8873, 64.9015, 17.4018**, and the grayscale version is **15.7235, 16.5423, 18.0146**.

A 20% lighter version of the original color is **64.6526, 39.2051, 98.7675**, and **24.4022, 11.9894, 27.8161** is the 20% darker color. If you saturate the color by 10%, you get **46.7680, 23.0938, 53.0058**, and if you desaturate by 10%, it is **49.2483, 26.1796, 59.6121**.

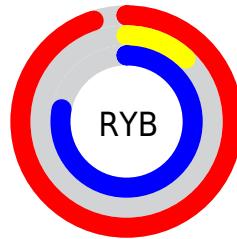
Distribution



Red (95%)

Green (12%)

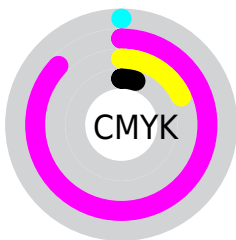
Blue (78%)



Red (95%)

Yellow (12%)

Blue (78%)

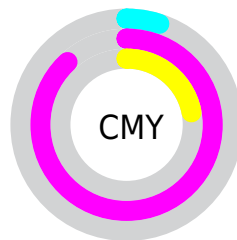


Cyan (0%)

Magenta (87%)

Yellow (18%)

Black (5%)



Cyan (5%)


Magenta (88%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7609, 24.1582, 56.1785 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 47.7609, 24.1582, 56.1785 by changing the saturation by 10% instead.


 47.7609, 24.1582,
56.1785

 47.7609, 24.1582,
56.1785


368.4420,
273.6193, 427.7710

 33.8480, 15.4510,
39.9411


 86.0602, 50.2882,
100.7539


 22.9392, 9.1365,
27.1792


 111.1773, 68.4799,
129.9290

 14.6691, 4.8303,
17.4742

 140.7598, 90.6018,
164.2537

 8.6723, 2.1481,
10.4076

 175.1732,
117.0384, 204.1467

 4.5834, 0.6915,
5.5609

 214.7828,
148.1740, 250.0263

 2.0372, 0.0000,
2.5156

259.9538,

 0.6547, 0.0000,

184.3931, 302.3112

0.8484

311.0518,
226.0801, 361.4200

■ 0.0000, 0.0000,
0.0000

■ 47.7609, 24.1582,
56.1785

■ 47.7609, 24.1582,
56.1785

■ 46.7680, 23.0938,
53.0058

■ 49.2483, 26.1796,
59.6121

■ 46.5391, 22.8855,
52.1602

■ 51.3230, 29.3448,
63.3380

■ 54.0593, 33.8016,
67.3820

■ 57.5199, 39.6749,
71.7658

■ 61.7600, 47.0750,
76.5088

66.8292, 56.1009,
81.6284

72.7731, 66.8434,
87.1406

79.6340, 79.3868,
93.0602

87.4511, 93.8094,
99.4013

Harmonies

Analogous

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



37.9094, 24.1582, 106.7101



47.7609, 24.1582, 56.1785



50.1008, 24.1582, 19.4073

Triad

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



47.7609, 24.1582, 56.1785



20.4068, 24.1582, 0.3133



10.1614, 24.1582, 80.9831

Complementary

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



47.7609, 24.1582, 56.1785



33.8873, 64.9015, 17.4018

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.



7.9768, 24.1582, 34.6674



47.7609, 24.1582, 56.1785



12.5724, 24.1582, 1.7490

Square

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



47.7609, 24.1582, 56.1785



31.8396, 24.1582, 0.7600



8.6957, 24.1582, 9.5023



15.9095, 24.1582, 127.2511

Rectangle

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



47.7609, 24.1582, 56.1785



46.5826, 24.1582, 7.4071



8.6957, 24.1582, 9.5023



9.0830, 24.1582, 63.9371

Sweetspot

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



47.7617, 24.1594, 56.1789



75.2859, 63.8914, 91.7700



19.4477, 8.8851, 85.4844



15.6623, 12.8649, 19.2037



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.



47.7617, 24.1594, 56.1789



51.9089, 25.5276, 58.1119



39.5010, 20.8552, 12.6786



17.0576, 16.7059, 20.0501



25.5928, 12.5806, 28.8939



2.2855, 1.1202, 2.7300

Inverse Universe

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



47.7617, 24.1594, 56.1789



51.9089, 25.5276, 58.1119



40.7944, 67.6643, 53.7744



17.0576, 16.7059, 20.0501



25.5928, 12.5806, 28.8939



2.2855, 1.1202, 2.7300

Previews

White Background



This preview shows how the XYZ color 47.7609, 24.1582, 56.1785 looks on a white background.

Color Contrast Check

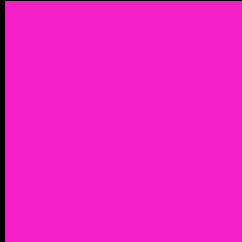
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.7609, 24.1582, 56.1785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

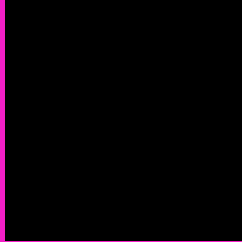
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.7609, 24.1582, 56.1785

Background



This preview shows how black text looks on a background with the XYZ color 47.7609, 24.1582, 56.1785.



This preview shows how white text looks on a background with the XYZ color 47.7609, 24.1582,

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

47.7609, 24.1582, 56.1785

Protanopia

28.5502, 24.6815, 97.8670

Deuteranopia

25.1025, 24.5600, 50.4312



Tritanopia

38.3419, 24.0463, 11.6374

Trichromacy



Original Color

47.7609, 24.1582, 56.1785



Protanomaly

28.6033, 19.0881, 80.7741



Deuteranomaly

28.9885, 20.2035, 51.6620



Tritanomaly

40.5988, 23.1181, 22.7445

Monochromacy



Original Color

47.7609, 24.1582, 56.1785



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

22.9791, 15.9620, 28.6579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7609, 24.1582, 56.1785 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(243, 31, 199)` looks like.

```
.text, #text, p{  
    color:rgb(243, 31, 199)  
}
```

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(243, 31, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 31, 199) }
```

Border

The CSS property to change the border of an element to XYZ 47.7609, 24.1582, 56.1785 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(243, 31, 199) }
```


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

```
.border{ border-color:rgb(243, 31, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 31, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 31, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 31, 199);  
box-shadow:4px 4px 4px 4px rgb(243, 31,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7609, 24.1582, 56.1785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 31, 199) }
```

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

```
.background{ background-color: rgb(243, 31,  
199) }
```

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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