

Converting Colors

XYZ(47.2126, 24.1527, 31.8290)

Have a look what the booklet for
XYZ(47.2126, 24.1527, 31.8290)
contains.

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Color

**XYZ(47.2139, 24.1398,
31.8768)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1798
RGB	255, 23, 152
RGB Percent	100%, 9%, 60%
CMY	0.0000, 0.9097, 0.4039
CMYK	0.00, 0.91, 0.40, 0.00
HSL	327°, 100%, 55%
HSV	327°, 91%, 100%
XYZ	47.2139, 24.1398, 31.8768
YIQ	107.0740, 96.8630, 89.3030

Conversions

Conversions Part 2

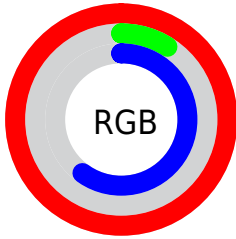
Format	Color
R_{YB}	255, 23, 152
Decimal	16717720
CIE _{Lab}	56.23, 84.66, -8.27
CIE _{LCh}	56, 85.064, 354.420
Yxy	24.1398, 0.4574, 0.2338
Android (android.graphics.Color)	4294907800 (0xFFFF1798)
YUV	107.0740, 22.1485, 129.7311
Hunter-Lab	49.1323, 85.5490, -4.0745

Details

The XYZ color **47.2139, 24.1398, 31.8768** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **39.8823, 73.2098, 31.7793**, and the grayscale version is **13.9226, 14.6476, 15.9513**.

A 20% lighter version of the original color is **57.5346, 36.0243, 62.3135**, and **24.0872, 12.1461, 13.3868** is the 20% darker color. If you saturate the color by 10%, you get **46.1053, 23.2061, 27.5508**, and if you desaturate by 10%, it is **48.9588, 26.0739, 37.2547**.

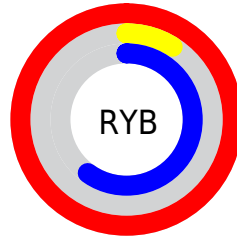
Distribution



Red (100%)

Green (9%)

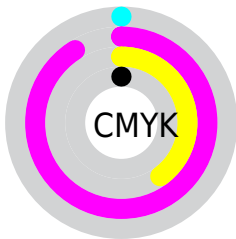
Blue (60%)



Red (100%)

Yellow (9%)

Blue (60%)

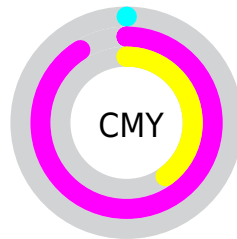


Cyan (0%)

Magenta (91%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (91%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2139, 24.1398, 31.8768 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 47.2139, 24.1398, 31.8768 by changing the saturation by 10% instead.

 47.2139, 24.1398,
31.8768


 47.2139, 24.1398,
31.8768


366.3024,
273.5265, 325.0331


 33.4134, 15.4374,
21.0034

 85.2496, 50.2582,
63.7136

 22.6041, 9.1269,
12.9352


 110.2156, 68.4430,
85.5140


 14.4205, 4.8241,
7.2537


 139.6341, 90.5574,
111.7938

 8.4974, 2.1444,
3.5404

 173.8705,
116.9857, 142.9716

 4.4693, 0.6894,
1.3768

 213.2902,
148.1124, 179.4659

 1.9709, 0.0000,
0.1235

258.2585,

 0.6175, 0.0000,

184.3218, 221.6952

0.0000

309.1408,
225.9984, 270.0781

■ 0.0000, 0.0000,
0.0000

■ 47.2139, 24.1398,
31.8768

■ 47.2139, 24.1398,
31.8768

■ 46.1053, 23.2061,
27.5508

■ 48.9588, 26.0739,
37.2547

■ 51.3942, 29.2435,
43.3112

■ 54.6123, 33.8293,
50.0883

■ 58.6895, 39.9807,
57.6224

■ 63.6928, 47.8283,
65.9464

■ 69.6821, 57.4885,
75.0902

■ 76.7122, 69.0675,
85.0821

■ 84.8334, 82.6633,
95.9484

■ 94.0929, 98.3671,
107.7141

Harmonies

Analogous

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



41.8911, 24.1398, 71.7289



47.2139, 24.1398, 31.8768



44.6826, 24.1398, 9.7126

Triad

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



47.2139, 24.1398, 31.8768



16.0140, 24.1398, 1.4199



13.6489, 24.1398, 98.9349

Complementary

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



47.2139, 24.1398, 31.8768



39.8823, 73.2098, 31.7793

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.



9.7265, 24.1398, 55.4330



47.2139, 24.1398, 31.8768



10.7954, 24.1398, 5.7503

Square

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



47.2139, 24.1398, 31.8768



24.8218, 24.1398, 0.8587



8.8548, 24.1398, 21.3871



21.1637, 24.1398, 124.5952

Rectangle

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



47.2139, 24.1398, 31.8768



39.1687, 24.1398, 3.7364



8.8548, 24.1398, 21.3871



11.9624, 24.1398, 84.8799

Sweetspot

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



47.2146, 24.1412, 31.8772



72.3433, 61.8461, 78.9507



26.6048, 12.0861, 95.5383



14.9920, 12.4308, 16.1857



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.



47.2146, 24.1412, 31.8772



46.1054, 23.2062, 27.5508



41.9050, 22.0174, 3.9174



18.4322, 18.1562, 20.8930



24.1675, 12.1563, 14.7982



2.4081, 1.2056, 1.7306

Inverse Universe

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



47.2146, 24.1412, 31.8772



46.1054, 23.2062, 27.5508



51.7734, 77.9662, 94.3971



18.4322, 18.1562, 20.8930



24.1675, 12.1563, 14.7982



2.4081, 1.2056, 1.7306

Previews

White Background



This preview shows how the XYZ color 47.2139, 24.1398, 31.8768 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 47.2139, 24.1398, 31.8768 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 47.2139, 24.1398, 31.8768

Background



This preview shows how black text looks on a background with the XYZ color 47.2139, 24.1398, 31.8768.



This preview shows how white text looks on a background with the XYZ color 47.2139, 24.1398,

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

47.2139, 24.1398, 31.8768

Protanopia

26.4911, 24.6760, 68.3325

Deuteranopia

24.7781, 24.2667, 28.5773



Tritanopia

42.1560, 24.2607, 7.4619

Trichromacy



Original Color

47.2139, 24.1398, 31.8768



Protanomaly

27.8381, 19.0499, 52.6618



Deuteranomaly

29.1877, 20.1377, 29.1367



Tritanomaly

43.3595, 23.6724, 13.5932

Monochromacy



Original Color

47.2139, 24.1398, 31.8768



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

20.8575, 14.1760, 20.3758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2139, 24.1398, 31.8768 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(255, 23, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 23, 152)  
}
```

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(255, 23, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 23, 152) }
```

Border

The CSS property to change the border of an element to XYZ 47.2139, 24.1398, 31.8768 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(255, 23, 152) }
```


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

```
.border{ border-color:rgb(255, 23, 152) }
```

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

Here you see how a box with a 4 pixel rgb(255, 23, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 23, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 23, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 23,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2139, 24.1398, 31.8768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 23, 152) }
```

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

```
.background{ background-color: rgb(255, 23,  
152) }
```

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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