

Converting Colors

XYZ(82.0759, 44.5634, 31.6104)

Have a look what the booklet for
XYZ(82.0759, 44.5634, 31.6104)
contains.

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Color

**XYZ(48.3765, 27.2318,
29.9007)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4292
RGB	255, 66, 146
RGB Percent	100%, 26%, 57%
CMY	0.0000, 0.7411, 0.4274
CMYK	0.00, 0.74, 0.43, 0.00
HSL	335°, 100%, 63%
HSV	335°, 74%, 100%
XYZ	48.3765, 27.2318, 29.9007
YIQ	131.6310, 86.9640, 64.9480

Conversions

Conversions Part 2

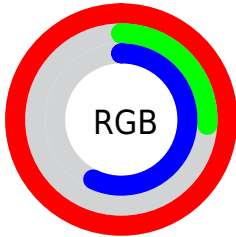
Format	Color
R _Y B	255, 66, 146
Decimal	16728722
CIE Lab	59.19, 75.12, -0.36
CIE LCh	59, 75.124, 359.723
Yxy	27.2318, 0.4585, 0.2581
Android (android.graphics.Color)	4294918802 (0xFFFF4292)
YUV	131.6310, 7.0839, 108.1946
Hunter-Lab	52.1841, 74.1536, 2.5566

Details

The XYZ color **48.3765, 27.2318, 29.9007** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **45.7467, 75.7742, 52.7789**, and the grayscale version is **21.7550, 22.8879, 24.9249**.

A 20% lighter version of the original color is **59.5156, 41.1306, 59.4458**, and **24.1036, 12.1820, 12.1473** is the 20% darker color. If you saturate the color by 10%, you get **46.1327, 24.4591, 23.8667**, and if you desaturate by 10%, it is **51.4323, 31.3932, 36.9320**.

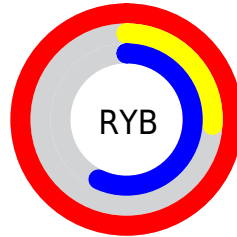
Distribution



Red (100%)

Green (26%)

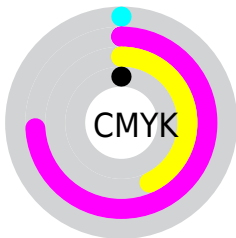
Blue (57%)



Red (100%)

Yellow (26%)

Blue (57%)

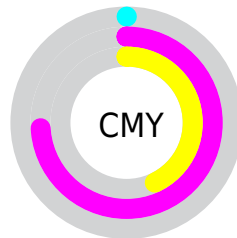


Cyan (0%)

Magenta (74%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (74%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3765, 27.2318, 29.9007 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 48.3765, 27.2318, 29.9007 by changing the saturation by 10% instead.


 48.3765, 27.2318,
29.9007


 48.3765, 27.2318,
29.9007


370.8403,
288.7777, 315.6342


 34.3376, 17.7474,
19.5118

 86.9710, 55.2556,
60.5643


 23.3172, 10.7688,
11.8601


 112.2574, 74.5638,
81.6760


 14.9499, 5.9116,
6.5271


 142.0236, 97.9154,
107.1991

 8.8703, 2.7914,
3.0943

 176.6351,
125.6947, 137.5522

 4.7131, 1.0238,
1.1430

 216.4571,
158.2862, 173.1536

 2.1130, 0.0000,
0.0000

261.8551,

 0.6962, 0.0000,

196.0743, 214.4221

0.0000

313.1944,
239.4433, 261.7761

■ 0.0000, 0.0000,
0.0000

■ 48.3765, 27.2318,
29.9007

■ 48.3765, 27.2318,
29.9007

■ 46.1327, 24.4591,
23.8667

■ 51.4323, 31.3932,
36.9320

■ 44.5975, 22.8766,
18.7673


■ 55.3815, 37.0972,
45.0131

■ 43.9427, 22.3411,
16.1631

■ 60.2972, 44.4822,
54.1933

■ 66.2439, 53.6698,
64.5178

■ 73.2806, 64.7702,
76.0288

 81.4614, 77.8847,
88.7659

 90.8367, 93.1074,
102.7670

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



44.7464, 27.2318, 63.9736



48.3765, 27.2318, 29.9007



44.8718, 27.2318, 10.7329

Triad

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



48.3765, 27.2318, 29.9007



17.9452, 27.2318, 3.6343



17.8274, 27.2318, 100.1634

Complementary

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



48.3765, 27.2318, 29.9007



45.7467, 75.7742, 52.7789

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.



13.1874, 27.2318, 63.2556



48.3765, 27.2318, 29.9007



13.2430, 27.2318, 10.5151

Square

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



48.3765, 27.2318, 29.9007



25.9701, 27.2318, 2.2047



11.7338, 27.2318, 29.4023



25.7961, 27.2318, 116.8405

Rectangle

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



48.3765, 27.2318, 29.9007



39.3500, 27.2318, 5.1482



11.7338, 27.2318, 29.4023



15.9035, 27.2318, 88.9285

Sweetspot

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



48.3772, 27.2333, 29.9011



74.9117, 67.3694, 78.6159



37.2560, 20.0143, 96.5070



15.5880, 13.7091, 16.1183



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.



48.3772, 27.2333, 29.9011



45.3012, 23.5508, 21.2616



44.9918, 27.1897, 8.0332



18.3284, 18.1147, 20.3464



23.0319, 11.7021, 8.8186



2.2957, 1.1607, 1.1388

Inverse Universe

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



48.3772, 27.2333, 29.9011



45.3012, 23.5508, 21.2616



52.1691, 72.1217, 105.7787



18.3284, 18.1147, 20.3464



23.0319, 11.7021, 8.8186



2.2957, 1.1607, 1.1388

Previews

White Background



This preview shows how the XYZ color 48.3765, 27.2318, 29.9007 looks on a white background.

Color Contrast Check

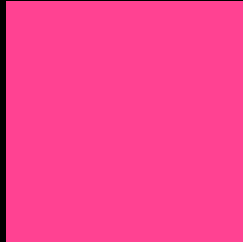
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.3765, 27.2318, 29.9007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

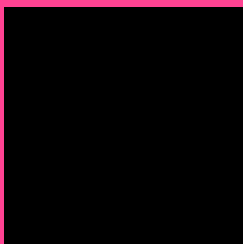
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.3765, 27.2318, 29.9007

Background



This preview shows how black text looks on a background with the XYZ color 48.3765, 27.2318, 29.9007.



This preview shows how white text looks on a background with the XYZ color 48.3765, 27.2318,

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

48.3765, 27.2318, 29.9007

Protanopia

27.9414, 27.4447, 53.6939

Deuteranopia

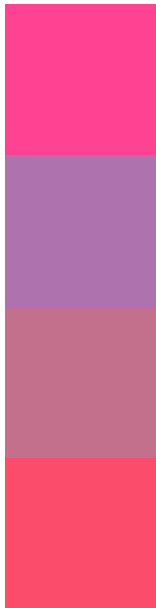
27.9019, 27.3540, 27.4762



Tritanopia

44.4807, 27.2157, 11.7129

Trichromacy



Original Color

48.3765, 27.2318, 29.9007

Protanomaly

31.2107, 24.1284, 43.5697

Deuteranomaly

32.7759, 24.9511, 27.8995

Tritanomaly

45.4361, 26.9470, 16.9939

Monochromacy



Original Color

48.3765, 27.2318, 29.9007

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

28.0094, 21.8784, 26.4136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3765, 27.2318, 29.9007 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, 66, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 66, 146)  
}
```

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, 66, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 66, 146) }
```

Border

The CSS property to change the border of an element to XYZ 48.3765, 27.2318, 29.9007 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, 66, 146) }
```


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

```
.border{ border-color:rgb(255, 66, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 66, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 66, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 66, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 66,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3765, 27.2318, 29.9007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 66, 146) }
```

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

```
.background{ background-color: rgb(255, 66,  
146) }
```

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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