

Converting Colors

XYZ(46.7869, 24.2800, 28.6695)

Have a look what the booklet for
XYZ(46.7869, 24.2800, 28.6695)
contains.

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Color

**XYZ(46.7640, 24.2536,
28.6022)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1F90
RGB	255, 31, 144
RGB Percent	100%, 12%, 56%
CMY	0.0000, 0.8783, 0.4353
CMYK	0.00, 0.88, 0.44, 0.00
HSL	330°, 100%, 56%
HSV	330°, 88%, 100%
XYZ	46.7640, 24.2536, 28.6022
YIQ	110.8580, 97.2310, 82.6310

Conversions

Conversions Part 2

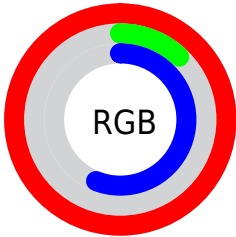
Format	Color
R_{YB}	255, 31, 144
Decimal	16719760
CIE _{Lab}	56.34, 82.91, -3.36
CIE _{LCh}	56, 82.979, 357.677
Yxy	24.2536, 0.4694, 0.2435
Android (android.graphics.Color)	4294909840 (0xFFFF1F90)
YUV	110.8580, 16.3390, 126.4125
Hunter-Lab	49.2479, 83.3130, 0.0391

Details

The XYZ color **46.7640, 24.2536, 28.6022** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **41.2104, 73.7654, 37.6681**, and the grayscale version is **15.0069, 15.7884, 17.1936**.

A 20% lighter version of the original color is **56.7956, 36.0623, 57.3933**, and **23.7586, 12.0146, 11.6565** is the 20% darker color. If you saturate the color by 10%, you get **45.4213, 23.0285, 23.6528**, and if you desaturate by 10%, it is **48.7347, 26.5617, 34.2948**.

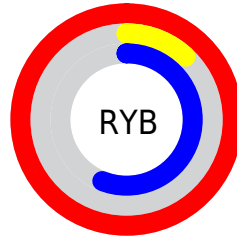
Distribution



Red (100%)

Green (12%)

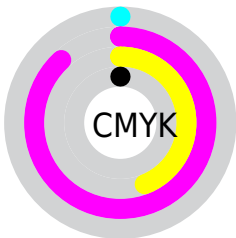
Blue (56%)



Red (100%)

Yellow (12%)

Blue (56%)

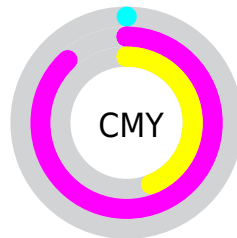


Cyan (0%)

Magenta (88%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (88%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7640, 24.2536, 28.6022 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 46.7640, 24.2536, 28.6022 by changing the saturation by 10% instead.


 46.7640, 24.2536,
28.6022


 46.7640, 24.2536,
28.6022


364.5364,
274.1001, 309.3354

 33.0563, 15.5218,
18.5371


 84.5821, 50.4437,
58.4791


 22.3290, 9.1864,
11.1629


 109.4233, 68.6709,
79.1280


 14.2168, 4.8630,
6.0609


 138.7062, 90.8320,
104.1418

 8.3543, 2.1671,
2.8128

 172.7964,
117.3114, 133.9393

 4.3762, 0.7020,
0.9999

 212.0592,
148.4935, 168.9388

 1.9171, 0.0000,
0.0000

256.8599,

 0.5867, 0.0000,

184.7627, 209.5590

0.0000

307.5638,
226.5035, 256.2183

■ 0.0000, 0.0000,
0.0000

■ 46.7640, 24.2536,
28.6022

■ 46.7640, 24.2536,
28.6022

■ 45.4213, 23.0285,
23.6528

■ 48.7347, 26.5617,
34.2948

■ 45.1773, 22.8349,
22.6642

■ 51.4466, 30.1737,
40.7845

■ 54.9873, 35.2596,
48.1166

■ 59.4309, 41.9625,
56.3312

■ 64.8426, 50.4084,
65.4647

■ 71.2814, 60.7106,
75.5510

■ 78.8016, 72.9729,
86.6218

■ 87.4531, 87.2913,
98.7072

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.



42.3641, 24.2536, 65.8036



46.7640, 24.2536, 28.6022



43.4930, 24.2536, 8.7122

Triad

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



46.7640, 24.2536, 28.6022



15.5170, 24.2536, 1.8312



14.5458, 24.2536, 100.6820

Complementary

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



46.7640, 24.2536, 28.6022



41.2104, 73.7654, 37.6681

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.



10.2935, 24.2536, 59.2351



46.7640, 24.2536, 28.6022



10.7354, 24.2536, 7.0624

Square

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



46.7640, 24.2536, 28.6022



23.8062, 24.2536, 0.9951



9.1197, 24.2536, 24.3291



22.3145, 24.2536, 121.8375

Rectangle

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



46.7640, 24.2536, 28.6022



37.7966, 24.2536, 3.4641



9.1197, 24.2536, 24.3291



12.7486, 24.2536, 87.6902

Sweetspot

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



46.7647, 24.2550, 28.6026



72.5770, 62.8078, 77.5050



29.2351, 13.7146, 95.7138



15.0168, 12.6067, 15.8046



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.



46.7647, 24.2550, 28.6026



45.1774, 22.8350, 22.6642



42.0304, 22.3613, 3.6725



18.3916, 18.1400, 20.6795



23.6817, 11.9620, 12.2402



2.3610, 1.1868, 1.4823

Inverse Universe

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



46.7647, 24.2550, 28.6026



45.1774, 22.8350, 22.6642



53.7805, 78.7934, 103.8616



18.3916, 18.1400, 20.6795



23.6817, 11.9620, 12.2402



2.3610, 1.1868, 1.4823

Previews

White Background



This preview shows how the XYZ color 46.7640, 24.2536, 28.6022 looks on a white background.

Color Contrast Check

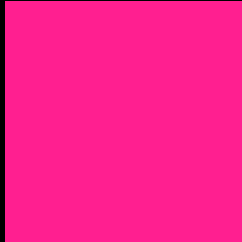
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.7640, 24.2536, 28.6022 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 46.7640, 24.2536, 28.6022

Background



This preview shows how black text looks on a background with the XYZ color 46.7640, 24.2536, 28.6022.



This preview shows how white text looks on a background with the XYZ color 46.7640, 24.2536,

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

46.7640, 24.2536, 28.6022

Protanopia

25.8491, 24.5316, 59.8726

Deuteranopia

24.7444, 24.3156, 25.5795



Tritanopia

42.4317, 24.3246, 7.3092

Trichromacy



Original Color

46.7640, 24.2536, 28.6022



Protanomaly

27.9362, 19.6357, 46.5736



Deuteranomaly

29.3466, 20.6819, 26.1122



Tritanomaly

43.3045, 23.8534, 12.6777

Monochromacy



Original Color

46.7640, 24.2536, 28.6022



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

21.6967, 15.2512, 20.5391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7640, 24.2536, 28.6022 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, 31, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 31, 144)  
}
```

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, 31, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 31, 144) }
```

Border

The CSS property to change the border of an element to XYZ 46.7640, 24.2536, 28.6022 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, 31, 144) }
```


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

```
.border{ border-color:rgb(255, 31, 144) }
```

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

Here you see how a box with a 4 pixel rgb(255, 31, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 31, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 31, 144);  
box-shadow:4px 4px 4px 4px rgb(255, 31,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7640, 24.2536, 28.6022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 31, 144) }
```

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

```
.background{ background-color: rgb(255, 31,  
144) }
```

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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