

Converting Colors

XYZ(86.3257, 45.8349, 27.7321)

Have a look what the booklet for
XYZ(86.3257, 45.8349, 27.7321)
contains.

XYZ(46.9119, 25.4936, 25.7408)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.9119, 25.4936,
25.7408)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3488
RGB	255, 52, 136
RGB Percent	100%, 20%, 53%
CMY	0.0000, 0.7960, 0.4667
CMYK	0.00, 0.80, 0.47, 0.00
HSL	335°, 100%, 60%
HSV	335°, 80%, 100%
XYZ	46.9119, 25.4936, 25.7408
YIQ	122.2730, 94.0240, 69.1600

Conversions

Conversions Part 2

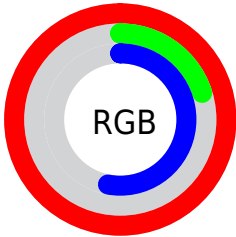
Format	Color
R_{YB}	255, 52, 136
Decimal	16725128
CIE _{Lab}	57.55, 78.10, 3.15
CIE _{LCh}	58, 78.164, 2.309
Yxy	25.4936, 0.4780, 0.2598
Android (android.graphics.Color)	4294915208 (0xFFFF3488)
YUV	122.2730, 6.7674, 116.4016
Hunter-Lab	50.4912, 77.4867, 5.1173

Details

The XYZ color **46.9119, 25.4936, 25.7408** 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 **44.5292, 75.1911, 50.7029**, and the grayscale version is **18.5475, 19.5135, 21.2502**.

A 20% lighter version of the original color is **57.0221, 38.1278, 52.4981**, and **23.4585, 11.8946, 10.0763** is the 20% darker color. If you saturate the color by 10%, you get **45.0751, 23.4036, 20.2472**, and if you desaturate by 10%, it is **49.5119, 28.8731, 32.2204**.

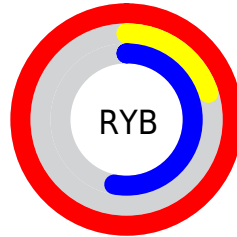
Distribution



Red (100%)

Green (20%)

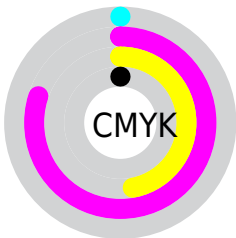
Blue (53%)



Red (100%)

Yellow (20%)

Blue (53%)

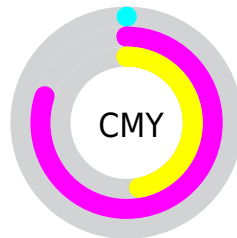


Cyan (0%)

Magenta (80%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9119, 25.4936, 25.7408 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 46.9119, 25.4936, 25.7408 by changing the saturation by 10% instead.


 46.9119, 25.4936,
25.7408


 46.9119, 25.4936,
25.7408

365.1175,
280.2873, 295.0722


 33.1737, 16.4452,
16.4058

 84.8016, 52.4569,
53.8354


 22.4194, 9.8397,
9.6543


 109.6839, 71.1405,
73.4322


 14.2837, 5.2928,
5.0678


 139.0115, 93.8047,
97.2865

 8.4013, 2.4201,
2.2276

 173.1498,
120.8338, 125.8171

 4.4067, 0.8362,
0.6903

 212.4642,
152.6122, 159.4424

 1.9347, 0.0000,
0.0000

257.3201,

 0.5969, 0.0000,

189.5243, 198.5810

0.0000

308.0827,
231.9545, 243.6515

■ 0.0000, 0.0000,
0.0000

■ 46.9119, 25.4936,
25.7408

■ 46.9119, 25.4936,
25.7408

■ 45.0751, 23.4036,
20.2472

■ 49.5119, 28.8731,
32.2204

■ 43.8577, 22.3247,
15.6609


■ 52.9655, 33.7134,
39.7438


■ 43.8157, 22.2902,
15.4941

■ 57.3517, 40.1636,
48.3644

■ 62.7392, 48.3533,
58.1307

■ 69.1901, 58.3985,
69.0877

 76.7613, 70.4053,
81.2778

 85.5053, 84.4718,
94.7408

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



43.8168, 25.4936, 59.0934



46.9119, 25.4936, 25.7408



42.7535, 25.4936, 8.3696

Triad

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



46.9119, 25.4936, 25.7408



15.8586, 25.4936, 3.0520



16.8204, 25.4936, 102.5238

Complementary

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



46.9119, 25.4936, 25.7408



44.5292, 75.1911, 50.7029

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.



12.0208, 25.4936, 65.2224



46.9119, 25.4936, 25.7408



11.5738, 25.4936, 10.0860

Square

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



46.9119, 25.4936, 25.7408



23.5158, 25.4936, 1.5735



10.3726, 25.4936, 29.8783



24.9603, 25.4936, 117.1121

Rectangle

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



46.9119, 25.4936, 25.7408



36.9230, 25.4936, 3.7313



10.3726, 25.4936, 29.8783



14.8422, 25.4936, 91.4057

Sweetspot

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



46.9126, 25.4951, 25.7412



73.2895, 64.8755, 75.7610



35.9480, 18.2709, 96.2393



15.1200, 12.9887, 15.2977



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.



46.9126, 25.4951, 25.7412



44.2467, 22.6398, 17.2171



43.9841, 25.7560, 5.9041



18.3210, 18.1117, 20.3076



22.9648, 11.6752, 8.4649



2.2888, 1.1579, 1.1023

Inverse Universe

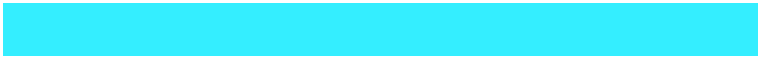
The Inverse Universe completely reimagines the original color for something new.



46.9126, 25.4951, 25.7412



44.2467, 22.6398, 17.2171



50.0661, 69.1487, 105.3156



18.3210, 18.1117, 20.3076



22.9648, 11.6752, 8.4649



2.2888, 1.1579, 1.1023

Previews

White Background



This preview shows how the XYZ color 46.9119, 25.4936, 25.7408 looks on a white background.

Color Contrast Check

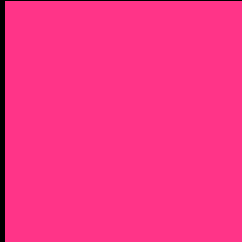
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.9119, 25.4936, 25.7408 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 46.9119, 25.4936, 25.7408

Background



This preview shows how black text looks on a background with the XYZ color 46.9119, 25.4936, 25.7408.



This preview shows how white text looks on a background with the XYZ color 46.9119, 25.4936,

25.7408.

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

46.9119, 25.4936, 25.7408

Protanopia

26.1601, 25.7541, 49.4912

Deuteranopia

26.0013, 25.6245, 23.3143



Tritanopia

43.5376, 25.5568, 8.9416

Trichromacy



Original Color

46.9119, 25.4936, 25.7408



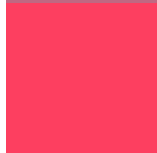
Protanomaly

29.1423, 21.8687, 39.2443



Deuteranomaly

30.7178, 22.7188, 23.8853



Tritanomaly

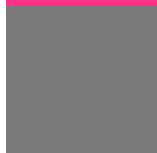
44.3968, 25.2822, 13.6063

Monochromacy



Original Color

46.9119, 25.4936, 25.7408



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

24.6830, 18.6277, 22.3732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9119, 25.4936, 25.7408 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, 52, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 52, 136)  
}
```

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, 52, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 52, 136) }
```

Border

The CSS property to change the border of an element to XYZ 46.9119, 25.4936, 25.7408 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, 52, 136) }
```


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

```
.border{ border-color:rgb(255, 52, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 52, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 52, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 52, 136); box-shadow:4px 4px 4px 4px rgb(255, 52, 136) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9119, 25.4936, 25.7408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 52, 136) }
```

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

```
.background{ background-color: rgb(255, 52,  
136) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor