

Converting Colors

XYZ(48.1747, 25.9289, 32.6055)

Have a look what the booklet for
XYZ(48.1747, 25.9289, 32.6055)
contains.

XYZ(48.1736, 25.9276, 32.6025)	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(48.1736, 25.9276,
32.6025)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3399
RGB	255, 51, 153
RGB Percent	100%, 20%, 60%
CMY	0.0000, 0.7999, 0.4000
CMYK	0.00, 0.80, 0.40, 0.00
HSL	330°, 100%, 60%
HSV	330°, 80%, 100%
XYZ	48.1736, 25.9276, 32.6025
YIQ	123.6240, 88.8420, 74.9700

Conversions

Conversions Part 2

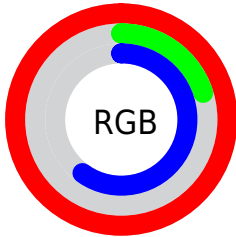
Format	Color
R _Y B	255, 51, 153
Decimal	16724889
CIE Lab	57.97, 79.82, -6.27
CIE LCh	58, 80.069, 355.509
Yxy	25.9276, 0.4515, 0.2430
Android (android.graphics.Color)	4294914969 (0xFFFF3399)
YUV	123.6240, 14.4824, 115.2168
Hunter-Lab	50.9192, 79.7668, -2.3188

Details

The XYZ color **48.1736, 25.9276, 32.6025** 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 **42.8772, 74.5246, 42.2691**, and the grayscale version is **18.9687, 19.9565, 21.7326**.

A 20% lighter version of the original color is **59.0993, 38.9586, 63.4364**, and **24.3906, 12.2968, 13.6584** is the 20% darker color. If you saturate the color by 10%, you get **46.3508, 23.8784, 27.0735**, and if you desaturate by 10%, it is **50.7203, 29.2445, 38.9285**.

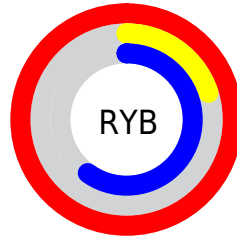
Distribution



Red (100%)

Green (20%)

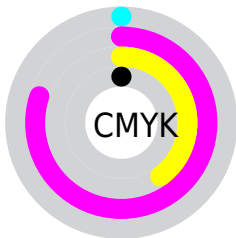
Blue (60%)



Red (100%)

Yellow (20%)

Blue (60%)

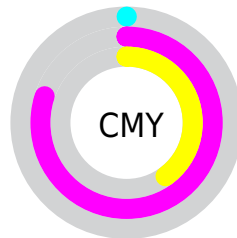


Cyan (0%)

Magenta (80%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1736, 25.9276, 32.6025 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 48.1736, 25.9276, 32.6025 by changing the saturation by 10% instead.


 48.1736, 25.9276,
32.6025


 48.1736, 25.9276,
32.6025

370.0510,
282.4265, 328.4317


 34.1762, 16.7695,
21.5535


 86.6710, 53.1581,
64.8633


 23.1925, 10.0703,
13.3340


 111.9016, 71.9993,
86.9121


 14.8572, 5.4456,
7.5255


 141.6074, 94.8370,
113.4647

 8.8049, 2.5110,
3.7095

 176.1537,
122.0556, 144.9394

 4.6702, 0.8821,
1.4674

 215.9059,
154.0394, 181.7550

 2.0879, 0.0000,
0.1934

261.2292,

 0.6826, 0.0000,

191.1729, 224.3298

0.0000

312.4891,
233.8405, 273.0826

■ 0.0000, 0.0000,
0.0000

■ 48.1736, 25.9276,
32.6025

■ 48.1736, 25.9276,
32.6025

■ 46.3508, 23.8784,
27.0735

■ 50.7203, 29.2445,
38.9285

■ 45.1035, 22.8057,
22.2741

■ 54.0795, 34.0007,
46.0970

■ 45.1027, 22.8051,
22.2711

■ 58.3282, 40.3454,
54.1498

■ 63.5336, 48.4079,
63.1246

■ 69.7560, 58.3040,
73.0563

■ 77.0506, 70.1394,
83.9773

■ 85.4683, 84.0115,
95.9185

95.0499, 100.0000,
108.9000

Harmonies

Analogous

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



43.3321, 25.9276, 70.3153



48.1736, 25.9276, 32.6025



45.4848, 25.9276, 10.9652

Triad

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



48.1736, 25.9276, 32.6025



17.4813, 25.9276, 2.2977



15.5539, 25.9276, 98.6468

Complementary

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



48.1736, 25.9276, 32.6025



42.8772, 74.5246, 42.2691

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.



11.3979, 25.9276, 57.8790



48.1736, 25.9276, 32.6025



12.2897, 25.9276, 7.5567

Square

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



48.1736, 25.9276, 32.6025



26.1260, 25.9276, 1.4779



10.3813, 25.9276, 24.2684



23.2180, 25.9276, 121.3417

Rectangle

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



48.1736, 25.9276, 32.6025



40.0790, 25.9276, 4.7516



10.3813, 25.9276, 24.2684



13.7877, 25.9276, 85.6866

Sweetspot

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



48.1743, 25.9291, 32.6029



73.9958, 65.1580, 79.4808



32.3730, 16.3623, 96.0596



15.2886, 13.0561, 16.1854



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.



48.1743, 25.9291, 32.6029



45.5561, 23.1636, 24.1121



43.0224, 23.8683, 5.4735



18.3882, 18.1386, 20.6611



23.6425, 11.9463, 12.0340



2.3571, 1.1852, 1.4620

Inverse Universe

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



48.1743, 25.9291, 32.6029



45.5561, 23.1636, 24.1121



55.1760, 79.4441, 107.0338



18.3882, 18.1386, 20.6611



23.6425, 11.9463, 12.0340



2.3571, 1.1852, 1.4620

Previews

White Background



This preview shows how the XYZ color 48.1736, 25.9276, 32.6025 looks on a white background.

Color Contrast Check

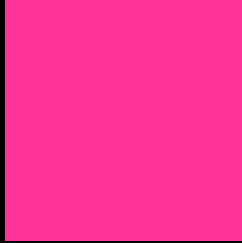
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.1736, 25.9276, 32.6025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

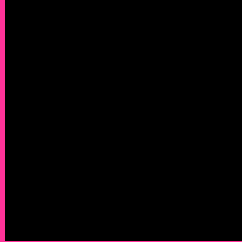
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.1736, 25.9276, 32.6025

Background



This preview shows how black text looks on a background with the XYZ color 48.1736, 25.9276, 32.6025.



This preview shows how white text looks on a background with the XYZ color 48.1736, 25.9276,

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

48.1736, 25.9276, 32.6025

Protanopia

27.5333, 26.1584, 63.2724

Deuteranopia

26.5708, 25.9865, 29.6021



Tritanopia

43.3156, 25.9062, 9.9251

Trichromacy



Original Color

48.1736, 25.9276, 32.6025



Protanomaly

30.1675, 22.1544, 50.2632



Deuteranomaly

31.2030, 22.8260, 30.3650



Tritanomaly

44.6429, 25.6118, 15.9552

Monochromacy



Original Color

48.1736, 25.9276, 32.6025



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

25.6611, 19.0693, 25.2499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1736, 25.9276, 32.6025 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, 51, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 153)  
}
```

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, 51, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 153) }
```

Border

The CSS property to change the border of an element to XYZ 48.1736, 25.9276, 32.6025 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, 51, 153) }
```


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

```
.border{ border-color:rgb(255, 51, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1736, 25.9276, 32.6025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 153) }
```

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

```
.background{ background-color: rgb(255, 51,  
153) }
```

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