

Converting Colors

XYZ(59.4758, 36.0364, 74.8921)

Have a look what the booklet for
XYZ(59.4758, 36.0364, 74.8921)
contains.

XYZ(59.4843, 36.0036, 75.0484)	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(59.4843, 36.0036,
75.0484)**

Conversions

Conversions Part 1

Format	Color
Hex	FF65E1
RGB	255, 101, 225
RGB Percent	100%, 40%, 88%
CMY	0.0000, 0.6039, 0.1176
CMYK	0.00, 0.60, 0.12, 0.00
HSL	312°, 100%, 70%
HSV	312°, 60%, 100%
XYZ	59.4843, 36.0036, 75.0484
YIQ	161.1820, 51.9800, 71.2120

Conversions

Conversions Part 2

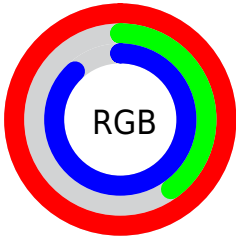
Format	Color
R_{YB}	255, 101, 225
Decimal	16737761
CIE _{Lab}	66.52, 71.98, -34.39
CIE _{LCh}	67, 79.776, 334.466
Yxy	36.0036, 0.3488, 0.2111
Android (android.graphics.Color)	4294927841 (0xFFFF65E1)
YUV	161.1820, 31.4623, 82.2784
Hunter-Lab	60.0030, 71.9517, -32.1545

Details

The XYZ color **59.4843, 36.0036, 75.0484** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **45.2249, 75.9260, 33.7468**, and the grayscale version is **33.8037, 35.5641, 38.7293**.

A 20% lighter version of the original color is **71.6881, 53.2763, 101.1127**, and **30.2681, 15.6687, 38.9652** is the 20% darker color. If you saturate the color by 10%, you get **56.7133, 31.5304, 70.8299**, and if you desaturate by 10%, it is **63.0444, 42.0233, 79.6281**.

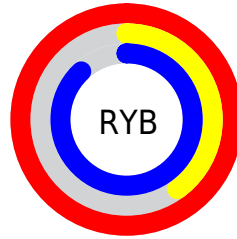
Distribution



Red (100%)

Green (40%)

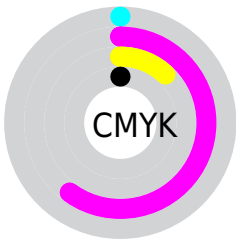
Blue (88%)



Red (100%)

Yellow (40%)

Blue (88%)

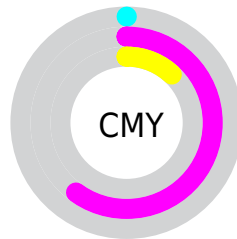


Cyan (0%)

Magenta (60%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.4843, 36.0036, 75.0484 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 59.4843, 36.0036, 75.0484 by changing the saturation by 10% instead.


 59.4843, 36.0036,
75.0484


 59.4843, 36.0036,
75.0484

412.5596,
328.9763, 497.3438


 43.2510, 24.4370,
55.1506


 103.1918, 69.0376,
128.1286


 30.2775, 15.6581,
39.1229


 131.3967, 91.2738,
162.1481

 20.1984, 9.2825,
26.5468


 164.3229,
117.8353, 201.7118

 12.6484, 4.9259,
17.0037

 202.3356,
149.1065, 247.2384

 7.2622, 2.2039,
10.0751

245.8003,
185.4718, 299.1463

 3.6744, 0.7221,
5.3426

295.0823,

 1.5196, 0.0000,

227.3156, 357.8542

2.3874

350.5469,
275.0223, 423.7805

■ 0.3391, 0.0000,
0.7796

■ 0.0000, 0.0000,
0.0000

■ 59.4843, 36.0036,
75.0484

■ 59.4843, 36.0036,
75.0484

■ 56.7133, 31.5304,
70.8299

■ 63.0444, 42.0233,
79.6281

■ 54.6551, 28.4515,
66.9450

■ 67.4556, 49.7134,
84.5891

■ 53.2222, 26.5924,
63.3643

■ 72.7765, 59.1907,
89.9523

■ 52.2985, 25.6834,
60.1634

■ 79.0595, 70.5602,
95.7358

86.3533, 83.9186,
101.9568

94.7031, 99.3560,
108.6309

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



48.9742, 36.0036, 122.5720



59.4843, 36.0036, 75.0484



62.6903, 36.0036, 34.2880

Triad

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



59.4843, 36.0036, 75.0484



32.4586, 36.0036, 3.3623



18.5311, 36.0036, 89.6124

Complementary

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



59.4843, 36.0036, 75.0484



45.2249, 75.9260, 33.7468

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.



16.0157, 36.0036, 44.5639



59.4843, 36.0036, 75.0484



22.7741, 36.0036, 6.0953

Square

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



59.4843, 36.0036, 75.0484



45.1354, 36.0036, 4.7278



17.3653, 36.0036, 17.0944



25.2242, 36.0036, 133.8823

Rectangle

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



59.4843, 36.0036, 75.0484



59.7469, 36.0036, 17.7429



17.3653, 36.0036, 17.0944



17.2502, 36.0036, 73.3441

Sweetspot

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



59.4851, 36.0051, 75.0491



80.7085, 73.5674, 97.1817



31.7941, 21.2148, 97.0269



16.8467, 14.9657, 20.4247



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.



59.4851, 36.0051, 75.0491



56.3356, 30.9443, 70.1822



51.3811, 32.7635, 32.3739



18.6320, 18.2361, 21.9454



27.3809, 13.4417, 31.7199



2.7030, 1.3236, 3.2834

Inverse Universe

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



59.4851, 36.0051, 75.0491



56.3356, 30.9443, 70.1822



52.2969, 78.7548, 70.9877



18.6320, 18.2361, 21.9454



27.3809, 13.4417, 31.7199



2.7030, 1.3236, 3.2834

Previews

White Background



This preview shows how the XYZ color 59.4843, 36.0036, 75.0484 looks on a white background.

Color Contrast Check

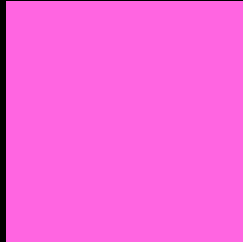
Large Text (above 18pt) WCAG AA × Fail

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 59.4843, 36.0036, 75.0484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

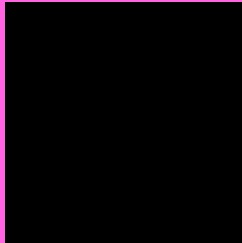
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.4843, 36.0036, 75.0484

Background



This preview shows how black text looks on a background with the XYZ color 59.4843, 36.0036, 75.0484.



This preview shows how white text looks on a background with the XYZ color 59.4843, 36.0036,

75.0484.

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

59.4843, 36.0036, 75.0484

Protanopia

38.9056, 36.3762, 99.5785

Deuteranopia

37.1782, 36.3954, 70.0313



Tritanopia

49.6427, 35.9813, 26.8829

Trichromacy



Original Color

59.4843, 36.0036, 75.0484



Protanomaly

42.4309, 33.4793, 89.8137



Deuteranomaly

42.5123, 34.1445, 71.3677



Tritanomaly

52.2874, 35.4205, 40.6402

Monochromacy



Original Color

59.4843, 36.0036, 75.0484



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

40.3900, 33.5280, 49.6902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.4843, 36.0036, 75.0484 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, 101, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 101, 225)  
}
```

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, 101, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 101, 225) }
```

Border

The CSS property to change the border of an element to XYZ 59.4843, 36.0036, 75.0484 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, 101, 225) }
```


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

```
.border{ border-color:rgb(255, 101, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 101, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 101, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 101, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 101,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 59.4843, 36.0036, 75.0484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 101, 225) }
```

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

```
.background{ background-color: rgb(255,  
101, 225) }
```

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