

Converting Colors

XYZ(49.3958, 25.9610, 59.0169)

Have a look what the booklet for
XYZ(49.3958, 25.9610, 59.0169)
contains.

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Color

**XYZ(49.2715, 25.9125,
58.9046)**

Conversions

Conversions Part 1

Format	Color
Hex	F433CB
RGB	244, 51, 203
RGB Percent	96%, 20%, 80%
CMY	0.0431, 0.7999, 0.2039
CMYK	0.00, 0.79, 0.17, 0.04
HSL	313°, 90%, 58%
HSV	313°, 79%, 96%
XYZ	49.2715, 25.9125, 58.9046
YIQ	126.0350, 66.2360, 88.1880

Conversions

Conversions Part 2

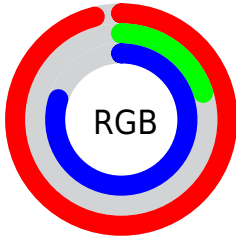
Format	Color
R_{YB}	244, 51, 203
Decimal	16004043
CIE _{Lab}	57.95, 82.89, -35.46
CIE _{LCh}	58, 90.156, 336.840
Yxy	25.9125, 0.3675, 0.1932
Android (android.graphics.Color)	4294194123 (0xFFFF433CB)
YUV	126.0350, 37.9437, 103.4553
Hunter-Lab	50.9043, 83.6918, -32.9752

Details

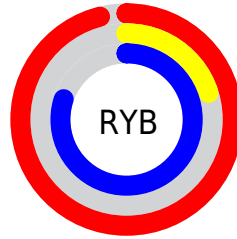
The XYZ color **49.2715, 25.9125, 58.9046** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **35.6491, 66.1789, 21.0231**, and the grayscale version is **19.7047, 20.7309, 22.5759**.

A 20% lighter version of the original color is **65.8868, 41.6737, 99.1789**, and **24.8737, 12.2054, 29.0619** is the 20% darker color. If you saturate the color by 10%, you get **47.8635, 24.0682, 55.4382**, and if you desaturate by 10%, it is **51.2605, 28.8847, 62.6670**.

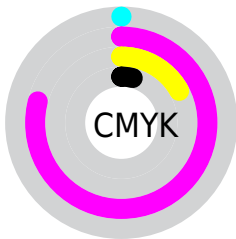
Distribution



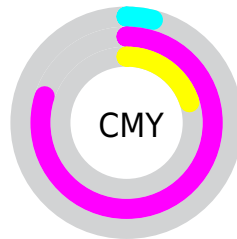
- Red (96%)
- Green (20%)
- Blue (80%)



- Red (96%)
- Yellow (20%)
- Blue (80%)



- Cyan (0%)
- Magenta (79%)
- Yellow (17%)
- Black (4%)





- Cyan (4%)
- Magenta (80%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2715, 25.9125, 58.9046 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 49.2715, 25.9125, 58.9046 by changing the saturation by 10% instead.

 49.2715, 25.9125,
58.9046


 49.2715, 25.9125,
58.9046


374.3094,
282.3523, 438.2403


 35.0503, 16.7582,
42.1168


 88.2929, 53.1338,
104.7668


 23.8683, 10.0622,
28.8665


 113.8237, 71.9695,
134.6782


 15.3602, 5.4402,
18.7352


 143.8552, 94.8012,
169.8013

 9.1605, 2.5078,
11.3042

 178.7527,
122.0132, 210.5546

 4.9040, 0.8805,
6.1551

 218.8815,
153.9899, 257.3566

 2.2252, 0.0000,
2.8693

264.6070,

 0.7560, 0.0000,

191.1157, 310.6259

1.0283

316.2945,
233.7750, 370.7809

■ 0.0000, 0.0000,
0.0000

■ 49.2715, 25.9125,
58.9046

■ 49.2715, 25.9125,
58.9046

■ 47.8635, 24.0682,
55.4382

■ 51.2605, 28.8847,
62.6670

■ 46.9172, 23.1151,
52.2264


■ 53.9047, 33.1345,
66.7505


■ 46.8409, 23.0462,
51.9433


■ 57.2701, 38.7929,
71.1782

■ 61.4135, 45.9734,
75.9700

■ 66.3862, 54.7781,
81.1440

 72.2348, 65.3001,
86.7166

 79.0026, 77.6257,
92.7032

 86.7299, 91.8350,
99.1180

 90.2697, 97.6337,
104.2462

Harmonies

Analogous

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



39.4037, 25.9125, 108.3276



49.2715, 25.9125, 58.9046



51.7495, 25.9125, 21.6696

Triad

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



49.2715, 25.9125, 58.9046



22.2230, 25.9125, 0.7275



11.4047, 25.9125, 81.4617

Complementary

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



49.2715, 25.9125, 58.9046



35.6491, 66.1789, 21.0231

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.



9.1616, 25.9125, 35.9596



49.2715, 25.9125, 58.9046



14.1040, 25.9125, 2.3084

Square

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



49.2715, 25.9125, 58.9046



33.7959, 25.9125, 1.2088



9.9789, 25.9125, 10.6152



17.2906, 25.9125, 126.7625

Rectangle

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



49.2715, 25.9125, 58.9046



48.3763, 25.9125, 8.9010



9.9789, 25.9125, 10.6152



10.2927, 25.9125, 64.7809

Sweetspot

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



49.2724, 25.9138, 58.9051



76.5140, 66.1653, 92.7413



21.6923, 11.0546, 86.5789



15.8963, 13.2992, 19.3856



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.



49.2724, 25.9138, 58.9051



52.2240, 25.8788, 59.0767



41.2483, 22.7042, 16.6507



17.0540, 16.7045, 20.0310



25.5215, 12.5520, 28.5181



2.2798, 1.1179, 2.7000

Inverse Universe

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



49.2724, 25.9138, 58.9051



52.2240, 25.8788, 59.0767



42.5908, 68.9555, 57.5775



17.0540, 16.7045, 20.0310



25.5215, 12.5520, 28.5181



2.2798, 1.1179, 2.7000

Previews

White Background



This preview shows how the XYZ color 49.2715, 25.9125, 58.9046 looks on a white background.

Color Contrast Check

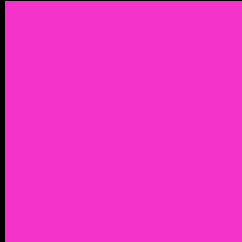
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.2715, 25.9125, 58.9046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

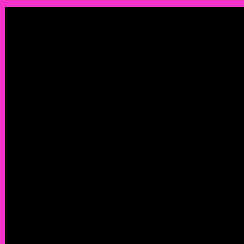
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.2715, 25.9125, 58.9046

Background



This preview shows how black text looks on a background with the XYZ color 49.2715, 25.9125, 58.9046.



This preview shows how white text looks on a background with the XYZ color 49.2715, 25.9125,

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

49.2715, 25.9125, 58.9046

Protanopia

30.0786, 26.4906, 98.1356

Deuteranopia

26.7713, 26.1937, 53.5141



Tritanopia

39.6992, 25.6493, 13.9248

Trichromacy



Original Color

49.2715, 25.9125, 58.9046



Protanomaly

30.8394, 21.6482, 81.9100



Deuteranomaly

31.0542, 22.5091, 54.9325



Tritanomaly

42.2175, 25.0953, 25.5404

Monochromacy



Original Color

49.2715, 25.9125, 58.9046



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

26.6568, 19.6918, 32.9678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2715, 25.9125, 58.9046 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(244, 51, 203)` looks like.

```
.text, #text, p{  
    color:rgb(244, 51, 203)  
}
```

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(244, 51, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 51, 203) }
```

Border

The CSS property to change the border of an element to XYZ 49.2715, 25.9125, 58.9046 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(244, 51, 203) }
```


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

```
.border{ border-color:rgb(244, 51, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 51, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 51, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 51, 203);  
box-shadow:4px 4px 4px 4px rgb(244, 51,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2715, 25.9125, 58.9046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 51, 203) }
```

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

```
.background{ background-color: rgb(244, 51,  
203) }
```

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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