

Converting Colors

XYZ(52.9532, 33.4082, 40.6035)

Have a look what the booklet for
XYZ(52.9532, 33.4082, 40.6035)
contains.

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Color

**XYZ(52.9616, 33.3945,
40.7002)**

Conversions

Conversions Part 1

Format	Color
Hex	FF65A8
RGB	255, 101, 168
RGB Percent	100%, 40%, 66%
CMY	0.0000, 0.6039, 0.3412
CMYK	0.00, 0.60, 0.34, 0.00
HSL	334°, 100%, 70%
HSV	334°, 60%, 100%
XYZ	52.9616, 33.3945, 40.7002
YIQ	154.6840, 70.2770, 53.4850

Conversions

Conversions Part 2

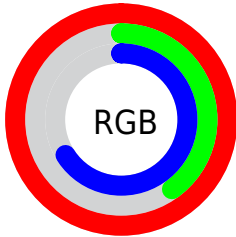
Format	Color
R _Y B	255, 101, 168
Decimal	16737704
CIE Lab	64.48, 64.55, -5.31
CIE LCh	64, 64.770, 355.294
Yxy	33.3945, 0.4168, 0.2628
Android (android.graphics.Color)	4294927784 (0xFFFF65A8)
YUV	154.6840, 6.5648, 87.9771
Hunter-Lab	57.7880, 62.4630, -1.3065

Details

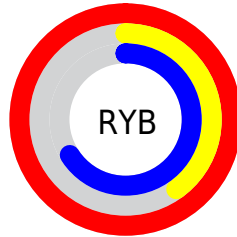
The XYZ color **52.9616, 33.3945, 40.7002** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **50.2057, 77.9184, 59.9750**, and the grayscale version is **30.9677, 32.5804, 35.4801**.

A 20% lighter version of the original color is **66.7861, 51.0414, 76.1440**, and **26.0936, 14.1165, 17.8725** is the 20% darker color. If you saturate the color by 10%, you get **49.5897, 28.6810, 33.3172**, and if you desaturate by 10%, it is **57.2517, 39.7064, 49.1235**.

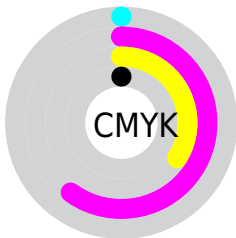
Distribution



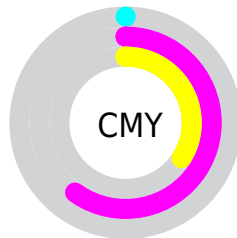
- Red (100%)
- Green (40%)
- Blue (66%)



- Red (100%)
- Yellow (40%)
- Blue (66%)



- Cyan (0%)
- Magenta (60%)
- Yellow (34%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.9616, 33.3945, 40.7002 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 52.9616, 33.3945, 40.7002 by changing the saturation by 10% instead.


 52.9616, 33.3945,
40.7002

 52.9616, 33.3945,
40.7002

388.4011,
317.4236, 364.7055


 37.9995, 22.4288,
27.7670

 93.7137, 64.9910,
77.4773


 26.1595, 14.1723,
17.9126


 120.2344, 86.3905,
102.1582

 17.0763, 8.2406,
10.7184


 151.3387,
112.0369, 131.5922

 10.3845, 4.2493,
5.7661

 187.3919,
142.3143, 166.1976

 5.7189, 1.8140,
2.6369

228.7594,
177.6074, 206.3931

 2.7139, 0.4959,
0.9114

275.8065,

 1.0044, 0.0000,

218.3003, 252.5973

0.0000

328.8986,
264.7776, 305.2285

■ 0.0000, 0.0000,
0.0000

■ 52.9616, 33.3945,
40.7002

■ 52.9616, 33.3945,
40.7002

■ 49.5897, 28.6810,
33.3172

■ 57.2517, 39.7064,
49.1235

■ 47.0549, 25.4115,
26.9229

■ 62.5263, 47.7419,
58.6311

■ 45.2649, 23.4095,
21.4616

■ 68.8483, 57.6198,
69.2659

■ 44.1056, 22.4063,
17.0203

■ 76.2743, 69.4464,
81.0677

■ 84.8566, 83.3203,
94.0740

94.6445, 99.3330,
108.3206

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.



48.7148, 33.3945, 73.7395



52.9616, 33.3945, 40.7002



50.6814, 33.3945, 18.6557

Triad

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



52.9616, 33.3945, 40.7002



24.7339, 33.3945, 7.0201



22.6557, 33.3945, 96.3380

Complementary

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



52.9616, 33.3945, 40.7002



50.2057, 77.9184, 59.9750

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.



18.2267, 33.3945, 62.7442



52.9616, 33.3945, 40.7002



19.2531, 33.3945, 14.3923

Square

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



52.9616, 33.3945, 40.7002



33.2215, 33.3945, 5.5613



17.1139, 33.3945, 32.3416



30.3041, 33.3945, 114.3767

Rectangle

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



52.9616, 33.3945, 40.7002



45.9623, 33.3945, 10.8501



17.1139, 33.3945, 32.3416



20.8042, 33.3945, 85.8839

Sweetspot

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



52.9625, 33.3962, 40.7008



78.2174, 72.5710, 84.0638



42.8823, 26.9311, 97.5458



16.2370, 14.7218, 17.2139



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.



52.9625, 33.3962, 40.7008



49.1269, 28.0608, 32.2215



49.0269, 33.0749, 16.1142



18.3375, 18.1183, 20.3946



23.1179, 11.7365, 9.2713



2.3046, 1.1642, 1.1852

Inverse Universe

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



52.9625, 33.3962, 40.7008



49.1269, 28.0608, 32.2215



56.7705, 76.6926, 106.4188



18.3375, 18.1183, 20.3946



23.1179, 11.7365, 9.2713



2.3046, 1.1642, 1.1852

Previews

White Background



This preview shows how the XYZ color 52.9616, 33.3945, 40.7002 looks on a white background.

Color Contrast Check

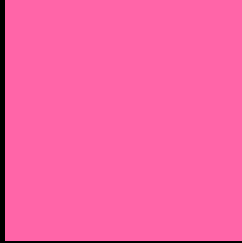
Large Text (above 18pt) WCAG AA × Fail

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 52.9616, 33.3945, 40.7002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

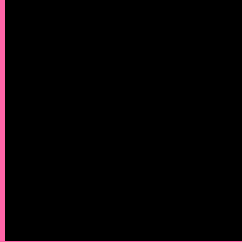
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.9616, 33.3945, 40.7002

Background



This preview shows how black text looks on a background with the XYZ color 52.9616, 33.3945, 40.7002.



This preview shows how white text looks on a background with the XYZ color 52.9616, 33.3945,

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

52.9616, 33.3945, 40.7002

Protanopia

34.0024, 33.6838, 61.2094

Deuteranopia

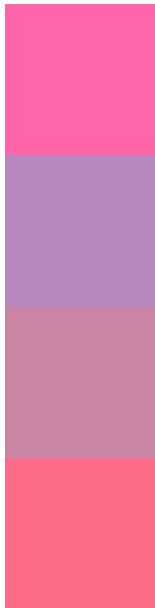
34.1510, 33.5406, 37.9317



Tritanopia

48.9076, 33.4295, 21.3276

Trichromacy



Original Color

52.9616, 33.3945, 40.7002

Protanomaly

37.7254, 31.2360, 52.7560

Deuteranomaly

39.0858, 31.8369, 38.7354

Tritanomaly

50.0228, 33.2267, 27.4438

Monochromacy



Original Color

52.9616, 33.3945, 40.7002

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

36.4950, 30.9424, 37.3067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.9616, 33.3945, 40.7002 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 101, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 101, 168) }
```

Border

The CSS property to change the border of an element to XYZ 52.9616, 33.3945, 40.7002 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, 168) }
```


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

```
.border{ border-color:rgb(255, 101, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 101, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 101, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 101,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 52.9616, 33.3945, 40.7002 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, 168) }
```

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

```
.background{ background-color: rgb(255,  
101, 168) }
```

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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