

Converting Colors

XYZ(55.2829, 34.4794, 52.4423)

Have a look what the booklet for
XYZ(55.2829, 34.4794, 52.4423)
contains.

XYZ(55.2856, 34.4804, 52.4567)	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(55.2856, 34.4804,
52.4567)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66BE
RGB	255, 102, 190
RGB Percent	100%, 40%, 75%
CMY	0.0000, 0.6000, 0.2549
CMYK	0.00, 0.60, 0.25, 0.00
HSL	325°, 100%, 70%
HSV	325°, 60%, 100%
XYZ	55.2856, 34.4804, 52.4567
YIQ	157.7790, 62.9400, 59.8040

Conversions

Conversions Part 2

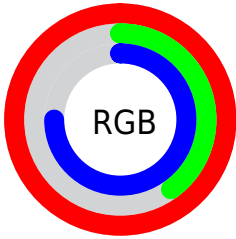
Format	Color
R_{YB}	255, 102, 190
Decimal	16737982
CIE _{Lab}	65.34, 66.76, -16.54
CIE _{LCh}	65, 68.783, 346.084
Yxy	34.4804, 0.3887, 0.2424
Android (android.graphics.Color)	4294928062 (0xFFFF66BE)
YUV	157.7790, 15.8850, 85.2628
Hunter-Lab	58.7200, 65.2999, -11.8619

Details

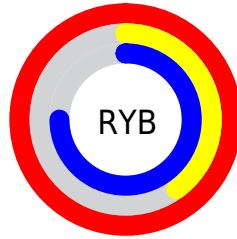
The XYZ color **55.2856, 34.4804, 52.4567** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.2162, 77.1356, 48.9103**, and the grayscale version is **32.3111, 33.9938, 37.0192**.

A 20% lighter version of the original color is **70.4454, 53.0554, 93.7166**, and **27.7466, 14.8593, 25.0726** is the 20% darker color. If you saturate the color by 10%, you get **52.0132, 29.7606, 45.7393**, and if you desaturate by 10%, it is **59.4183, 40.7796, 59.8958**.

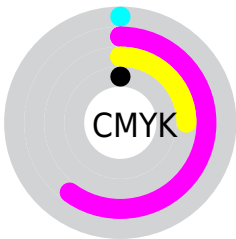
Distribution



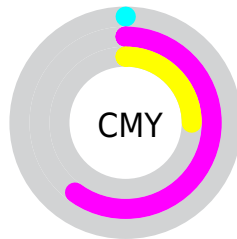
- Red (100%)
- Green (40%)
- Blue (75%)



- Red (100%)
- Yellow (40%)
- Blue (75%)



- Cyan (0%)
- Magenta (60%)
- Yellow (25%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2856, 34.4804, 52.4567 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 55.2856, 34.4804, 52.4567 by changing the saturation by 10% instead.


 55.2856, 34.4804,
52.4567


 55.2856, 34.4804,
52.4567


397.1125,
322.2689, 413.2042


 39.8652, 23.2629,
36.9845


 97.1052, 66.6800,
95.2379


 27.6172, 14.7878,
24.8998


 124.2350, 88.4310,
123.3839

 18.1763, 8.6706,
15.7841


 155.9987,
114.4618, 156.5916

 11.1771, 4.5269,
9.2188

 192.7616,
145.1570, 195.2795

 6.2542, 1.9725,
4.7854

234.8891,
180.9009, 239.8662

 3.0424, 0.5914,
2.0654

282.7465,

 1.1762, 0.0000,

222.0779, 290.7702

0.5950

336.6992,
269.0724, 348.4100

■ 0.0875, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.2856, 34.4804,
52.4567

■ 55.2856, 34.4804,
52.4567

■ 52.0132, 29.7606,
45.7393

■ 59.4183, 40.7796,
59.8958

■ 49.5231, 26.4679,
39.7073

■ 64.4744, 48.7819,
68.0858

■ 47.7271, 24.4286,
34.3219

■ 70.5139, 58.6043,
77.0558

■ 46.4803, 23.3563,
29.5247

■ 77.5908, 70.3520,
86.8324

■ 46.4800, 23.3560,
29.5233

■ 85.7550, 84.1222,
97.4405

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.



48.7227, 34.4804, 90.3684



55.2856, 34.4804, 52.4567



55.0183, 34.4804, 24.2247

Triad

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



55.2856, 34.4804, 52.4567



27.7141, 34.4804, 5.5499



21.1323, 34.4804, 93.0490

Complementary

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



55.2856, 34.4804, 52.4567



48.2162, 77.1356, 48.9103

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.



17.5137, 34.4804, 55.0207



55.2856, 34.4804, 52.4567



20.7494, 34.4804, 10.7850

Square

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



55.2856, 34.4804, 52.4567



37.6336, 34.4804, 5.4001



17.3896, 34.4804, 25.7638



28.3493, 34.4804, 120.7360

Rectangle

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



55.2856, 34.4804, 52.4567



50.9620, 34.4804, 13.5020



17.3896, 34.4804, 25.7638



19.5257, 34.4804, 80.3801

Sweetspot

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



55.2865, 34.4821, 52.4573



79.1326, 72.9371, 88.8834



38.4767, 24.8049, 97.3676



16.4598, 14.8110, 18.3873



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.



55.2865, 34.4821, 52.4573



51.4542, 28.9917, 44.4772



49.0727, 31.9966, 19.7361



18.4473, 18.1622, 20.9727



24.3631, 12.2345, 15.8283



2.4268, 1.2131, 1.8291

Inverse Universe

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



55.2865, 34.4821, 52.4573



51.4542, 28.9917, 44.4772



57.3051, 80.7711, 96.7720



18.4473, 18.1622, 20.9727



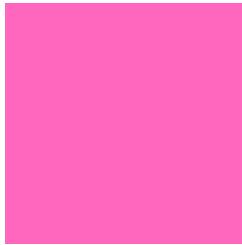
24.3631, 12.2345, 15.8283



2.4268, 1.2131, 1.8291

Previews

White Background



This preview shows how the XYZ color 55.2856, 34.4804, 52.4567 looks on a white background.

Color Contrast Check

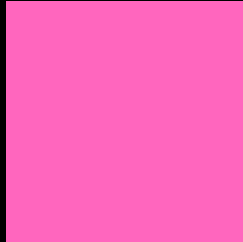
Large Text (above 18pt) WCAG AA × Fail

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 55.2856, 34.4804, 52.4567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

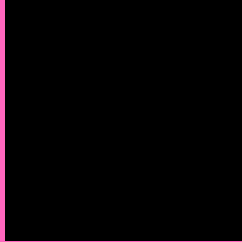
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.2856, 34.4804, 52.4567

Background



This preview shows how black text looks on a background with the XYZ color 55.2856, 34.4804, 52.4567.



This preview shows how white text looks on a background with the XYZ color 55.2856, 34.4804,

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

55.2856, 34.4804, 52.4567

Protanopia

36.3532, 35.0053, 78.9694

Deuteranopia

35.4747, 34.7126, 49.0865



Tritanopia

49.1299, 34.3430, 23.4415

Trichromacy



Original Color

55.2856, 34.4804, 52.4567



Protanomaly

39.8018, 32.3813, 68.4424



Deuteranomaly

40.5871, 32.9814, 50.1258



Tritanomaly

51.0026, 34.2675, 32.3599

Monochromacy



Original Color

55.2856, 34.4804, 52.4567



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

38.3365, 32.4167, 42.2667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2856, 34.4804, 52.4567 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, 102, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 190)  
}
```

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, 102, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 190) }
```

Border

The CSS property to change the border of an element to XYZ 55.2856, 34.4804, 52.4567 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, 102, 190) }
```


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

```
.border{ border-color:rgb(255, 102, 190) }
```

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

Here you see how a box with a 4 pixel rgb(255, 102, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2856, 34.4804, 52.4567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 190) }
```

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

```
.background{ background-color: rgb(255,  
102, 190) }
```

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