

Converting Colors

XYZ(55.7634, 34.6715, 54.9724)

Have a look what the booklet for
XYZ(55.7634, 34.6715, 54.9724)
contains.

XYZ(55.7290, 34.6578, 54.7913)	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(55.7290, 34.6578,
54.7913)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66C2
RGB	255, 102, 194
RGB Percent	100%, 40%, 76%
CMY	0.0000, 0.6000, 0.2392
CMYK	0.00, 0.60, 0.24, 0.00
HSL	324°, 100%, 70%
HSV	324°, 60%, 100%
XYZ	55.7290, 34.6578, 54.7913
YIQ	158.2350, 61.6560, 61.0480

Conversions

Conversions Part 2

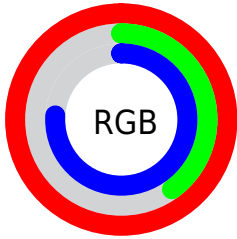
Format	Color
R _Y B	255, 102, 194
Decimal	16737986
CIE Lab	65.48, 67.28, -18.59
CIE LCh	65, 69.799, 344.550
Yxy	34.6578, 0.3839, 0.2387
Android (android.graphics.Color)	4294928066 (0xFFFF66C2)
YUV	158.2350, 17.6321, 84.8629
Hunter-Lab	58.8709, 65.9496, -13.9718

Details

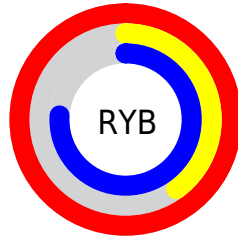
The XYZ color **55.7290, 34.6578, 54.7913** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **47.8520, 76.9899, 46.9924**, and the grayscale version is **32.5103, 34.2033, 37.2474**.

A 20% lighter version of the original color is **71.2234, 53.3666, 97.8137**, and **27.9648, 14.9466, 26.2220** is the 20% darker color. If you saturate the color by 10%, you get **52.4939, 29.9529, 48.2707**, and if you desaturate by 10%, it is **59.8144, 40.9381, 61.9815**.

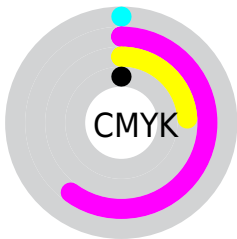
Distribution



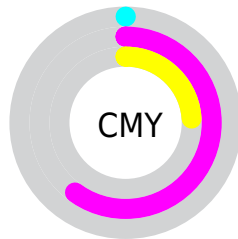
- Red (100%)
- Green (40%)
- Blue (76%)



- Red (100%)
- Yellow (40%)
- Blue (76%)



- Cyan (0%)
- Magenta (60%)
- Yellow (24%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7290, 34.6578, 54.7913 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 55.7290, 34.6578, 54.7913 by changing the saturation by 10% instead.

 55.7290, 34.6578,
54.7913


 55.7290, 34.6578,
54.7913

398.7610,
323.0553, 422.3800

 40.2218, 23.3994,
38.8372


 97.7503, 66.9553,
98.7032


 27.8965, 14.8887,
26.3262


 124.9952, 88.7632,
127.4980

 18.3877, 8.7413,
16.8399

 156.8834,
114.8564, 161.4102

 11.3301, 4.5728,
9.9597

 193.7802,
145.6192, 200.8583

 6.3582, 1.9989,
5.2670

236.0510,
181.4361, 246.2607

 3.1068, 0.6068,
2.3433

284.0612,

 1.2105, 0.0000,

222.6915, 298.0361

0.7553

338.1761,
269.7698, 356.6030

■ 0.1146, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.7290, 34.6578,
54.7913

■ 55.7290, 34.6578,
54.7913

■ 52.4939, 29.9529,
48.2707

■ 59.8144, 40.9381,
61.9815

■ 50.0317, 26.6714,
42.3852

■ 64.8130, 48.9173,
69.8687

■ 48.2543, 24.6395,
37.0979

■ 70.7845, 58.7125,
78.4804

■ 47.0173, 23.5711,
32.3526

■ 77.7825, 70.4287,
87.8413

■ 47.0170, 23.5708,
32.3511

■ 85.8566, 84.1629,
97.9751

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.



48.7293, 34.6578, 93.6877



55.7290, 34.6578, 54.7913



55.8425, 34.6578, 25.2962

Triad

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



55.7290, 34.6578, 54.7913



28.2494, 34.6578, 5.2783



20.8337, 34.6578, 92.5468

Complementary

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



55.7290, 34.6578, 54.7913



47.8520, 76.9899, 46.9924

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.



17.3536, 34.6578, 53.7042



55.7290, 34.6578, 54.7913



20.9949, 34.6578, 10.1700

Square

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



55.7290, 34.6578, 54.7913



38.4551, 34.6578, 5.3402



17.4057, 34.6578, 24.6481



27.9813, 34.6578, 122.0578

Rectangle

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



55.7290, 34.6578, 54.7913



51.9094, 34.6578, 13.9814



17.4057, 34.6578, 24.6481



19.2685, 34.6578, 79.4680

Sweetspot

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



55.7299, 34.6594, 54.7919



79.3071, 73.0069, 89.8023



37.4307, 24.2657, 97.3187



16.5025, 14.8280, 18.6119



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.



55.7299, 34.6594, 54.7919



51.9413, 29.1865, 47.0419



49.3737, 32.1170, 21.3209



18.4680, 18.1705, 21.0818



24.6431, 12.3465, 17.3029



2.4534, 1.2237, 1.9688

Inverse Universe

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



55.7299, 34.6594, 54.7919



51.9413, 29.1865, 47.0419



56.5486, 80.4685, 92.7880



18.4680, 18.1705, 21.0818



24.6431, 12.3465, 17.3029



2.4534, 1.2237, 1.9688

Previews

White Background



This preview shows how the XYZ color 55.7290, 34.6578, 54.7913 looks on a white background.

Color Contrast Check

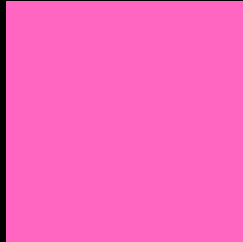
Large Text (above 18pt) WCAG AA × Fail

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 55.7290, 34.6578, 54.7913 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 55.7290, 34.6578, 54.7913

Background



This preview shows how black text looks on a background with the XYZ color 55.7290, 34.6578, 54.7913.

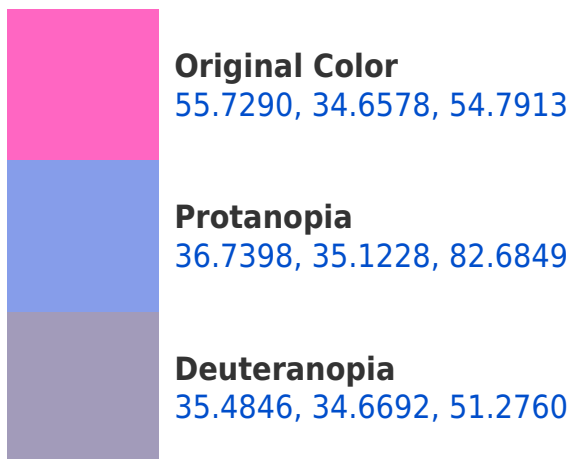


This preview shows how white text looks on a background with the XYZ color 55.7290, 34.6578,

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





Tritanopia

49.3113, 34.6030, 23.8187

Trichromacy



Original Color

55.7290, 34.6578, 54.7913



Protanomaly

40.0919, 32.4708, 71.1722



Deuteranomaly

40.7544, 33.0182, 52.3693



Tritanomaly

51.1637, 34.3319, 33.2083

Monochromacy



Original Color

55.7290, 34.6578, 54.7913



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

38.4315, 32.4547, 42.7669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7290, 34.6578, 54.7913 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 194) }
```

Border

The CSS property to change the border of an element to XYZ 55.7290, 34.6578, 54.7913 is called "border". The border property can be set on classes, ids or directly on the HTML element.

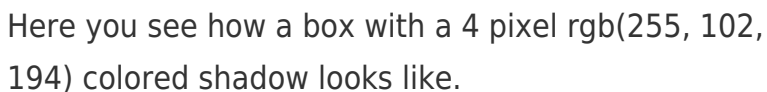
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 102, 194) }
```


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

```
.border{ border-color:rgb(255, 102, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 102, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 102, 194); box-shadow:4px 4px 4px 4px rgb(255, 102, 194) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7290, 34.6578, 54.7913 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, 194) }
```

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

```
.background{ background-color: rgb(255,  
102, 194) }
```

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