

Converting Colors

XYZ(67.2477, 40.5927, 54.7213)

Have a look what the booklet for
XYZ(67.2477, 40.5927, 54.7213)
contains.

XYZ(55.6170, 34.6130, 54.2017)	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(55.6170, 34.6130,
54.2017)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66C1
RGB	255, 102, 193
RGB Percent	100%, 40%, 76%
CMY	0.0000, 0.6000, 0.2431
CMYK	0.00, 0.60, 0.24, 0.00
HSL	324°, 100%, 70%
HSV	324°, 60%, 100%
XYZ	55.6170, 34.6130, 54.2017
YIQ	158.1210, 61.9770, 60.7370

Conversions

Conversions Part 2

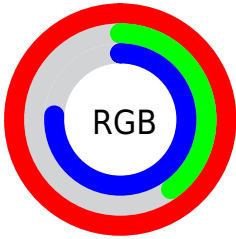
Format	Color
R _Y B	255, 102, 193
Decimal	16737985
CIE Lab	65.45, 67.15, -18.08
CIE LCh	65, 69.539, 344.928
Yxy	34.6130, 0.3851, 0.2396
Android (android.graphics.Color)	4294928065 (0xFFFF66C1)
YUV	158.1210, 17.1953, 84.9629
Hunter-Lab	58.8328, 65.7857, -13.4399

Details

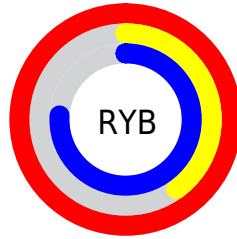
The XYZ color **55.6170, 34.6130, 54.2017** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **47.9420, 77.0259, 47.4663**, and the grayscale version is **32.4604, 34.1509, 37.1903**.

A 20% lighter version of the original color is **71.0661, 53.3037, 96.9855**, and **27.8914, 14.9172, 25.8354** is the 20% darker color. If you saturate the color by 10%, you get **52.3722, 29.9042, 47.6299**, and if you desaturate by 10%, it is **59.7146, 40.8981, 61.4559**.

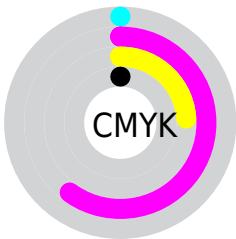
Distribution



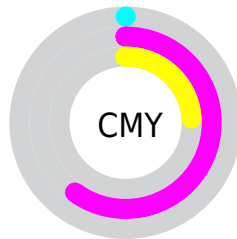
- Red (100%)
- Green (40%)
- Blue (76%)



- 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 55.6170, 34.6130, 54.2017 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 55.6170, 34.6130, 54.2017 by changing the saturation by 10% instead.


 55.6170, 34.6130,
54.2017

 55.6170, 34.6130,
54.2017

398.3450,
322.8568, 420.0750


 40.1317, 23.3649,
38.3687

 97.5874, 66.8858,
97.8297


 27.8259, 14.8632,
25.9649


 124.8033, 88.6793,
126.4618

 18.3343, 8.7234,
16.5719

 156.6601,
114.7568, 160.1973

 11.2914, 4.5612,
9.7710

 193.5231,
145.5025, 199.4547

 6.3319, 1.9922,
5.1438

235.7578,
181.3010, 244.6527

 3.0905, 0.6029,
2.2716

283.7294,

 1.2018, 0.0000,

222.5367, 296.2097

0.7153

337.8034,
269.5938, 354.5443

■ 0.1078, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.6170, 34.6130,
54.2017

■ 55.6170, 34.6130,
54.2017

■ 52.3722, 29.9042,
47.6299

■ 59.7146, 40.8981,
61.4559

■ 49.9026, 26.6198,
41.7056

■ 64.7279, 48.8833,
69.4203

■ 48.1201, 24.5858,
36.3914

■ 70.7165, 58.6854,
78.1227

■ 46.8802, 23.5162,
31.6305

■ 77.7344, 70.4095,
87.5884

■ 46.8798, 23.5159,
31.6290

■ 85.8312, 84.1528,
97.8413

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.



48.7267, 34.6130, 92.8501



55.6170, 34.6130, 54.2017



55.6350, 34.6130, 25.0259

Triad

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



55.6170, 34.6130, 54.2017



28.1150, 34.6130, 5.3454



20.9078, 34.6130, 92.6695

Complementary

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



55.6170, 34.6130, 54.2017



47.9420, 77.0259, 47.4663

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.



17.3933, 34.6130, 54.0295



55.6170, 34.6130, 54.2017



20.9334, 34.6130, 10.3212

Square

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



55.6170, 34.6130, 54.2017



38.2485, 34.6130, 5.3552



17.4016, 34.6130, 24.9231



28.0724, 34.6130, 121.7238

Rectangle

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



55.6170, 34.6130, 54.2017



51.6710, 34.6130, 13.8609



17.4016, 34.6130, 24.9231



19.3323, 34.6130, 79.6928

Sweetspot

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



55.6179, 34.6147, 54.2023



79.2634, 72.9894, 89.5720



37.9485, 24.5326, 97.3429



16.4918, 14.8238, 18.5556



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.



55.6179, 34.6147, 54.2023



51.8179, 29.1372, 46.3923



49.2212, 32.0560, 20.5178



18.4629, 18.1685, 21.0545



24.5716, 12.3179, 16.9266



2.4466, 1.2210, 1.9333

Inverse Universe

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



55.6179, 34.6147, 54.2023



51.8179, 29.1372, 46.3923



56.9242, 80.6188, 94.7660



18.4629, 18.1685, 21.0545



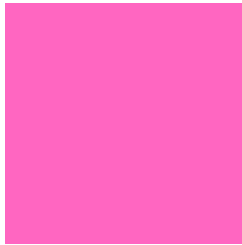
24.5716, 12.3179, 16.9266



2.4466, 1.2210, 1.9333

Previews

White Background



This preview shows how the XYZ color 55.6170, 34.6130, 54.2017 looks on a white background.

Color Contrast Check

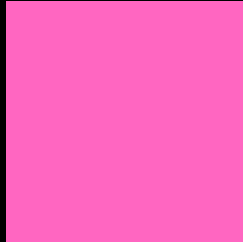
Large Text (above 18pt) WCAG AA × Fail

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 55.6170, 34.6130, 54.2017 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 55.6170, 34.6130, 54.2017

Background



This preview shows how black text looks on a background with the XYZ color 55.6170, 34.6130, 54.2017.

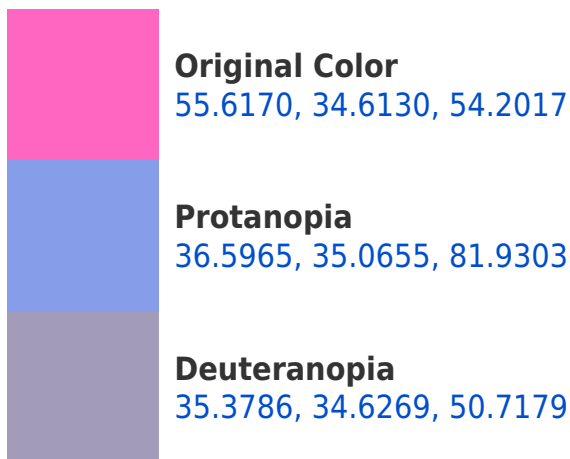


This preview shows how white text looks on a background with the XYZ color 55.6170, 34.6130,

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

55.6170, 34.6130, 54.2017



Protanomaly

39.9606, 32.4183, 70.4809



Deuteranomaly

40.6462, 32.9749, 51.7995



Tritanomaly

51.0829, 34.2996, 32.7823

Monochromacy



Original Color

55.6170, 34.6130, 54.2017



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 55.6170, 34.6130, 54.2017 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 193) }
```

Border

The CSS property to change the border of an element to XYZ 55.6170, 34.6130, 54.2017 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, 193) }
```


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

```
.border{ border-color:rgb(255, 102, 193) }
```

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, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6170, 34.6130, 54.2017 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, 193) }
```

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

```
.background{ background-color: rgb(255,  
102, 193) }
```

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