

Converting Colors

XYZ(56.1081, 34.6855, 92.0169)

Have a look what the booklet for
XYZ(56.1081, 34.6855, 92.0169)
contains.

XYZ(55.8742, 34.5159, 91.7130)	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(55.8742, 34.5159,
91.7130)**

Conversions

Conversions Part 1

Format	Color
Hex	EA6AF7
RGB	234, 106, 247
RGB Percent	92%, 42%, 97%
CMY	0.0823, 0.5843, 0.0314
CMYK	0.05, 0.57, 0.00, 0.03
HSL	294°, 90%, 69%
HSV	294°, 57%, 97%
XYZ	55.8742, 34.5159, 91.7130
YIQ	160.3460, 31.0270, 70.9870

Conversions

Conversions Part 2

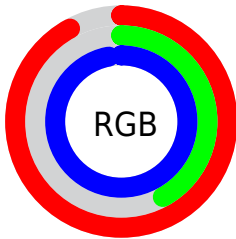
Format	Color
RYB	234, 106, 247
Decimal	15362807
CIELab	65.37, 68.12, -48.59
CIELCh	65, 83.672, 324.501
Yxy	34.5159, 0.3068, 0.1895
Android (android.graphics.Color)	4293552887 (0xFFEA6AF7)
YUV	160.3460, 42.7204, 64.5946
Hunter-Lab	58.7502, 66.9489, -51.4304

Details

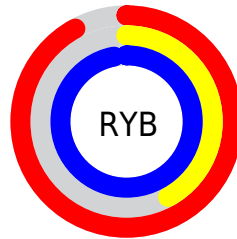
The XYZ color **55.8742, 34.5159, 91.7130** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **43.4711, 71.4849, 25.1440**, and the grayscale version is **33.3736, 35.1116, 38.2365**.

A 20% lighter version of the original color is **72.3872, 54.6744, 101.3457**, and **27.9505, 14.7857, 50.0960** is the 20% darker color. If you saturate the color by 10%, you get **52.9432, 29.7556, 90.9492**, and if you desaturate by 10%, it is **59.5502, 40.7498, 92.7230**.

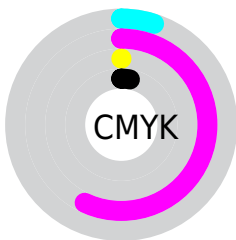
Distribution



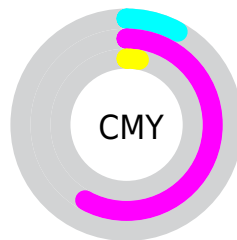
- Red (92%)
- Green (42%)
- Blue (97%)



- Red (92%)
- Yellow (42%)
- Blue (97%)



- Cyan (5%)
- Magenta (57%)
- Yellow (0%)
- Black (3%)





- Cyan (8%)
- Magenta (58%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8742, 34.5159, 91.7130 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 55.8742, 34.5159, 91.7130 by changing the saturation by 10% instead.


 55.8742, 34.5159,
91.7130


 55.8742, 34.5159,
91.7130

399.3000,
322.4264, 554.3008


 40.3387, 23.2902,
68.8206


 97.9615, 66.7351,
151.6718


 27.9881, 14.8079,
50.0948


 125.2440, 88.4975,
189.5752

 18.4571, 8.6847,
35.1170


 157.1728,
114.5408, 233.3195

 11.3803, 4.5361,
23.4687

 194.1134,
145.2495, 283.3230

 6.3924, 1.9777,
14.7314

236.4310,
181.0081, 340.0043

 3.1280, 0.5945,
8.4866

284.4911,

 1.2218, 0.0000,

222.2008, 403.7820

4.3157

338.6590,
269.2121, 475.0747

■ 0.1235, 0.0000,
1.8001

■ 0.0000, 0.0000,
0.4280

■ 55.8742, 34.5159,
91.7130

■ 55.8742, 34.5159,
91.7130

■ 52.9432, 29.7556,
90.9492

■ 59.5502, 40.7498,
92.7230

■ 50.6884, 26.3346,
90.4077

■ 64.0245, 48.5670,
93.9961

■ 49.0348, 24.1020,
90.0639

■ 69.3500, 58.0722,
95.5501

■ 47.8848, 22.8622,
89.8852

■ 75.5738, 69.3597,
97.4007

47.6000, 22.5993,
89.8495

82.7397, 82.5168,
99.5626

90.8885, 97.6252,
102.0494

91.9522, 98.5487,
102.1716

92.7729, 98.9718,
102.2100

93.6036, 99.4001,
102.2489

Harmonies

Analogous

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



43.5385, 34.5159, 137.9834



55.8742, 34.5159, 91.7130



62.1666, 34.5159, 44.4009

Triad

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



55.8742, 34.5159, 91.7130



35.1081, 34.5159, 2.5214



15.7437, 34.5159, 72.9340

Complementary

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



55.8742, 34.5159, 91.7130



43.4711, 71.4849, 25.1440

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.



14.5458, 34.5159, 31.4995



55.8742, 34.5159, 91.7130



24.0008, 34.5159, 3.5940

Square

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



55.8742, 34.5159, 91.7130



48.4163, 34.5159, 5.1169



17.1635, 34.5159, 10.4969



20.9738, 34.5159, 123.2090

Rectangle

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



55.8742, 34.5159, 91.7130



61.1918, 34.5159, 23.1339



17.1635, 34.5159, 10.4969



14.9210, 34.5159, 57.0590

Sweetspot

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



55.8755, 34.5174, 91.7137



81.2910, 74.6420, 104.7306



29.4623, 23.2382, 90.9288



17.0940, 15.4193, 22.3252



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.



55.8755, 34.5174, 91.7137



56.6384, 31.5475, 97.7118



52.8729, 33.8276, 52.8039



17.0542, 16.6861, 20.8645



25.2385, 11.9853, 47.5212



2.2614, 1.0756, 4.1787

Inverse Universe

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



46.8427, 31.4155, 21.0491



46.4123, 28.1085, 14.4324



45.7630, 72.2094, 45.8967



16.5612, 16.5073, 17.4357



20.3886, 10.4989, 1.4889



1.8126, 0.9310, 0.2394

Previews

White Background



This preview shows how the XYZ color 55.8742, 34.5159, 91.7130 looks on a white background.

Color Contrast Check

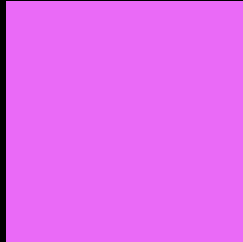
Large Text (above 18pt) WCAG AA × Fail

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 55.8742, 34.5159, 91.7130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

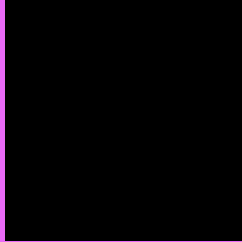
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.8742, 34.5159, 91.7130

Background



This preview shows how black text looks on a background with the XYZ color 55.8742, 34.5159, 91.7130.



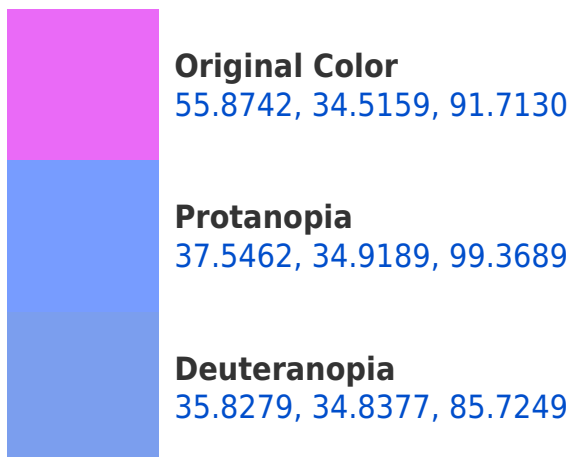
This preview shows how white text looks on a background with the XYZ color 55.8742, 34.5159,

91.7130.

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

43.3779, 34.4360, 30.7461

Trichromacy



Original Color

55.8742, 34.5159, 91.7130



Protanomaly

41.3571, 32.7823, 96.2433



Deuteranomaly

40.2141, 32.6026, 87.3925



Tritanomaly

46.9122, 33.9203, 47.7908

Monochromacy



Original Color

55.8742, 34.5159, 91.7130



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

39.3860, 33.1267, 54.1874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8742, 34.5159, 91.7130 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(234, 106, 247)` looks like.

```
.text, #text, p{  
    color:rgb(234, 106, 247)  
}
```

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(234, 106, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 106, 247) }
```

Border

The CSS property to change the border of an element to XYZ 55.8742, 34.5159, 91.7130 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(234, 106, 247) }
```


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

```
.border{ border-color:rgb(234, 106, 247) }
```

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

Here you see how a box with a 4 pixel rgb(234, 106, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 106, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 106, 247);  
box-shadow:4px 4px 4px 4px rgb(234, 106,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8742, 34.5159, 91.7130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 106, 247) }
```

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

```
.background{ background-color: rgb(234,  
106, 247) }
```

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