

Converting Colors

XYZ(54.6300, 34.6588, 80.4022)

Have a look what the booklet for
XYZ(54.6300, 34.6588, 80.4022)
contains.

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Color

**XYZ(54.6262, 34.5963,
80.1426)**

Conversions

Conversions Part 1

Format	Color
Hex	EC6DE8
RGB	236, 109, 232
RGB Percent	93%, 43%, 91%
CMY	0.0745, 0.5725, 0.0902
CMYK	0.00, 0.54, 0.02, 0.07
HSL	302°, 77%, 68%
HSV	302°, 54%, 93%
XYZ	54.6262, 34.5963, 80.1426
YIQ	160.9950, 36.2090, 65.1770

Conversions

Conversions Part 2

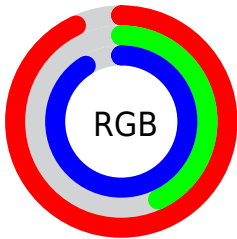
Format	Color
R _Y B	236, 109, 232
Decimal	15494632
CIE _{Lab}	65.43, 64.71, -40.18
CIE _{LCh}	65, 76.164, 328.164
Yxy	34.5963, 0.3225, 0.2043
Android (android.graphics.Color)	4293684712 (0xFFEC6DE8)
YUV	160.9950, 35.0055, 65.7794
Hunter-Lab	58.8186, 62.8445, -39.6118

Details

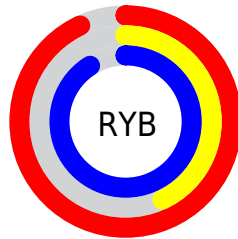
The XYZ color **54.6262, 34.5963, 80.1426** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.2843, 64.4358, 25.9916**, and the grayscale version is **33.7060, 35.4614, 38.6174**.

A 20% lighter version of the original color is **72.9262, 55.7524, 101.5254**, and **27.1518, 14.8494, 42.5095** is the 20% darker color. If you saturate the color by 10%, you get **52.3333, 30.1782, 78.8586**, and if you desaturate by 10%, it is **57.5977, 40.3691, 81.6556**.

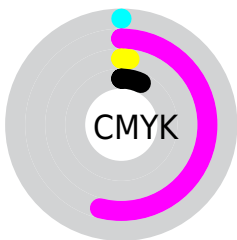
Distribution



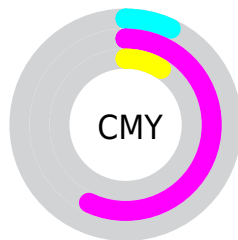
- Red (93%)
- Green (43%)
- Blue (91%)



- Red (93%)
- Yellow (43%)
- Blue (91%)



- Cyan (0%)
- Magenta (54%)
- Yellow (2%)
- Black (7%)





- Cyan (7%)
- Magenta (57%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.6262, 34.5963, 80.1426 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 54.6262, 34.5963, 80.1426 by changing the saturation by 10% instead.


 54.6262, 34.5963,
80.1426


 54.6262, 34.5963,
80.1426

394.6529,
322.7828, 515.1327

 39.3352, 23.3521,
59.3088

 96.1446, 66.8599,
135.3794

 27.2025, 14.8537,
42.4401


 123.1027, 88.6481,
170.6196

 17.8627, 8.7168,
29.1179


 154.6805,
114.7196, 211.4989

 10.9506, 4.5569,
18.9237

191.2434,
145.4590, 258.4360

 6.1006, 1.9897,
11.4389

233.1567,
181.2507, 311.8494

 2.9476, 0.6015,
6.2450

280.7858,

 1.1261, 0.0000,

222.4789, 372.1576

2.9234

334.4961,
269.5282, 439.7792

■ 0.0468, 0.0000,
1.0557

■ 0.0000, 0.0000,
0.0000

■ 54.6262, 34.5963,
80.1426

■ 54.6262, 34.5963,
80.1426

■ 52.3333, 30.1782,
78.8586

■ 57.5977, 40.3691,
81.6556

■ 50.6598, 26.9993,
77.7830


■ 61.2934, 47.5904,
83.4119


■ 49.5429, 24.9328,
76.8951


■ 65.7593, 56.3513,
85.4271


■ 48.9045, 23.8224,
76.1689


■ 71.0363, 66.7339,
87.7150


 48.6750, 23.4661,
75.7758

 77.1628, 78.8146,
90.2882

 84.1745, 92.6650,
93.1587

 85.6686, 95.4796,
94.1922

 85.7776, 95.5232,
94.7662

 85.8871, 95.5669,
95.3426

Harmonies

Analogous

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



44.0560, 34.5963, 121.6819



54.6262, 34.5963, 80.1426



59.2525, 34.5963, 39.6683

Triad

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



54.6262, 34.5963, 80.1426



33.5734, 34.5963, 3.6145



17.3915, 34.5963, 74.6450

Complementary

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



54.6262, 34.5963, 80.1426



39.2843, 64.4358, 25.9916

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.



15.7928, 34.5963, 35.7390



54.6262, 34.5963, 80.1426



23.7790, 34.5963, 5.3506

Square

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



54.6262, 34.5963, 80.1426



45.5157, 34.5963, 5.9033



17.8439, 34.5963, 13.7029



22.8346, 34.5963, 117.4395

Rectangle

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



54.6262, 34.5963, 80.1426



57.7030, 34.5963, 21.6087



17.8439, 34.5963, 13.7029



16.4491, 34.5963, 60.1936

Sweetspot

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



54.6274, 34.5979, 80.1433



83.1809, 76.5919, 103.9261



27.1807, 20.3822, 81.8596



17.5183, 15.8313, 22.1213



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.



54.6274, 34.5979, 80.1433



62.0538, 35.3347, 93.8100



47.3542, 31.6886, 41.8431



15.6931, 15.3051, 18.9353



26.8397, 12.9386, 41.8187



2.1140, 1.0186, 3.3178

Inverse Universe

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



54.6274, 34.5979, 80.1433



62.0538, 35.3347, 93.8100



44.0039, 66.3236, 50.8446



15.6931, 15.3051, 18.9353



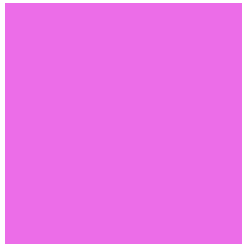
26.8397, 12.9386, 41.8187



2.1140, 1.0186, 3.3178

Previews

White Background



This preview shows how the XYZ color 54.6262, 34.5963, 80.1426 looks on a white background.

Color Contrast Check

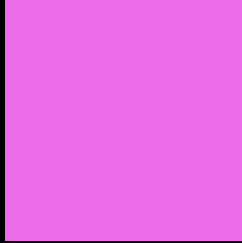
Large Text (above 18pt) WCAG AA × Fail

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 54.6262, 34.5963, 80.1426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

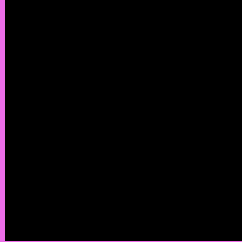
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.6262, 34.5963, 80.1426

Background



This preview shows how black text looks on a background with the XYZ color 54.6262, 34.5963, 80.1426.



This preview shows how white text looks on a background with the XYZ color 54.6262, 34.5963,

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

54.6262, 34.5963, 80.1426

Protanopia

37.6842, 34.9900, 99.3753

Deuteranopia

35.6649, 34.7300, 75.3448



Tritanopia

44.1851, 34.4631, 29.9144

Trichromacy



Original Color

54.6262, 34.5963, 80.1426



Protanomaly

40.9214, 32.8620, 92.1819



Deuteranomaly

40.2565, 33.0729, 76.9350



Tritanomaly

47.2586, 34.1685, 44.6618

Monochromacy



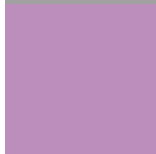
Original Color

54.6262, 34.5963, 80.1426



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

39.3817, 33.6252, 51.4284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.6262, 34.5963, 80.1426 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(236, 109, 232)` looks like.

```
.text, #text, p{  
    color:rgb(236, 109, 232)  
}
```

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(236, 109, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 109, 232) }
```

Border

The CSS property to change the border of an element to XYZ 54.6262, 34.5963, 80.1426 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(236, 109, 232) }
```


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

```
.border{ border-color:rgb(236, 109, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 109, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 109, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 109, 232);  
box-shadow:4px 4px 4px 4px rgb(236, 109,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 54.6262, 34.5963, 80.1426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 109, 232) }
```

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

```
.background{ background-color: rgb(236,  
109, 232) }
```

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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