

Converting Colors

XYZ(52.6146, 35.2212, 65.1411)

Have a look what the booklet for
XYZ(52.6146, 35.2212, 65.1411)
contains.

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Color

**XYZ(52.5862, 35.2086,
64.9971)**

Conversions

Conversions Part 1

Format	Color
Hex	EC75D2
RGB	236, 117, 210
RGB Percent	93%, 46%, 82%
CMY	0.0745, 0.5412, 0.1765
CMYK	0.00, 0.50, 0.11, 0.07
HSL	313°, 76%, 69%
HSV	313°, 50%, 93%
XYZ	52.5862, 35.2086, 64.9971
YIQ	163.1830, 41.0710, 54.1510

Conversions

Conversions Part 2

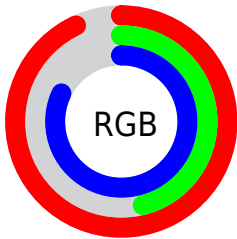
Format	Color
R _{YB}	236, 117, 210
Decimal	15496658
CIE _{Lab}	65.91, 57.41, -27.17
CIE _{LCh}	66, 63.513, 334.669
Yxy	35.2086, 0.3442, 0.2304
Android (android.graphics.Color)	4293686738 (0xFFEC75D2)
YUV	163.1830, 23.0808, 63.8605
Hunter-Lab	59.3368, 54.3529, -23.4100

Details

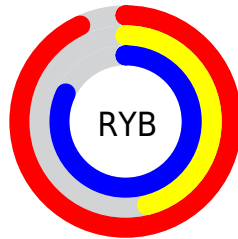
The XYZ color **52.5862, 35.2086, 64.9971** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **42.2911, 65.7571, 36.4526**, and the grayscale version is **34.7812, 36.5925, 39.8493**.

A 20% lighter version of the original color is **74.2336, 58.3671, 101.9612**, and **25.9991, 15.2768, 32.5888** is the 20% darker color. If you saturate the color by 10%, you get **49.5431, 30.1335, 60.8641**, and if you desaturate by 10%, it is **56.3453, 41.6813, 69.4716**.

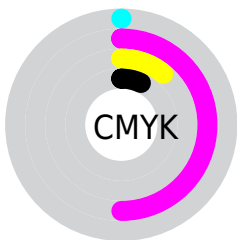
Distribution



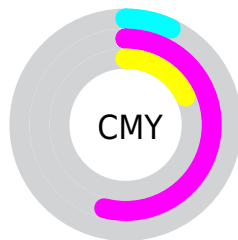
- Red (93%)
- Green (46%)
- Blue (82%)



- Red (93%)
- Yellow (46%)
- Blue (82%)



- Cyan (0%)
- Magenta (50%)
- Yellow (11%)
- Black (7%)





- Cyan (7%)
- Magenta (54%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.5862, 35.2086, 64.9971 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 52.5862, 35.2086, 64.9971 by changing the saturation by 10% instead.


 52.5862, 35.2086,
64.9971


 52.5862, 35.2086,
64.9971

386.9824,
325.4881, 461.0875


 37.6987, 23.8236,
47.0074


 93.1643, 67.8088,
113.6589

 25.9251, 15.2028,
32.6871


 119.5856, 89.7928,
145.1681

 16.9000, 8.9619,
21.6177


 150.5822,
116.0786, 182.0209

 10.2581, 4.7163,
13.3806

186.5195,
147.0505, 224.6358

 5.6340, 2.0818,
7.5574

227.7628,
183.0931, 273.4314

 2.6623, 0.6544,
3.7294

274.6775,

 0.9778, 0.0000,

224.5906, 328.8262

1.4781

327.6289,
271.9275, 391.2387

■ 0.0000, 0.0000,
0.2015

■ 0.0000, 0.0000,
0.0000

■ 52.5862, 35.2086,
64.9971

■ 52.5862, 35.2086,
64.9971

■ 49.5431, 30.1335,
60.8641

■ 56.3453, 41.6813,
69.4716

■ 47.1592, 26.3447,
57.0517


■ 60.8647, 49.6419,
74.3022


■ 45.3748, 23.7221,
53.5394


■ 66.1892, 59.1788,
79.5052


■ 44.1170, 22.1207,
50.3019


■ 72.3590, 70.3724,
85.0949


 43.2898, 21.3120,
47.4188

 79.4115, 83.2971,
91.0847

 86.2206, 95.7003,
97.1000

 87.0018, 96.0128,
101.2136

 87.8050, 96.3341,
105.4430

 88.4024, 96.5730,
108.5889

Harmonies

Analogous

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



44.8249, 35.2086, 98.5503



52.5862, 35.2086, 64.9971



54.8850, 35.2086, 34.2786

Triad

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



52.5862, 35.2086, 64.9971



32.0162, 35.2086, 6.4398



20.7004, 35.2086, 75.9258

Complementary

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



52.5862, 35.2086, 64.9971



42.2911, 65.7571, 36.4526

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.



18.4991, 35.2086, 42.7020



52.5862, 35.2086, 64.9971



24.2070, 35.2086, 9.5913

Square

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



52.5862, 35.2086, 64.9971



41.8017, 35.2086, 8.0150



19.6515, 35.2086, 20.1915



26.3171, 35.2086, 106.6633

Rectangle

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



52.5862, 35.2086, 64.9971



52.7056, 35.2086, 20.5473



19.6515, 35.2086, 20.1915



19.5896, 35.2086, 64.2291

Sweetspot

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



52.5873, 35.2103, 64.9978



82.7218, 77.4503, 98.2961



32.7936, 24.6010, 82.3776



17.3759, 15.9794, 20.7390



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.



52.5873, 35.2103, 64.9978



58.7974, 35.4903, 72.1667



46.5177, 32.7824, 33.0356



15.5657, 15.2541, 18.2644



23.9121, 11.7675, 26.4022



1.9125, 0.9380, 2.2566

Inverse Universe

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



52.5873, 35.2103, 64.9978



58.7974, 35.4903, 72.1667



48.0272, 68.0516, 66.6587



15.5657, 15.2541, 18.2644



23.9121, 11.7675, 26.4022



1.9125, 0.9380, 2.2566

Previews

White Background



This preview shows how the XYZ color 52.5862, 35.2086, 64.9971 looks on a white background.

Color Contrast Check

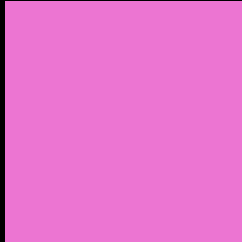
Large Text (above 18pt) WCAG AA × Fail

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 52.5862, 35.2086, 64.9971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

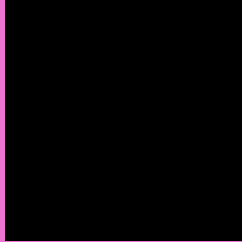
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.5862, 35.2086, 64.9971

Background



This preview shows how black text looks on a background with the XYZ color 52.5862, 35.2086, 64.9971.



This preview shows how white text looks on a background with the XYZ color 52.5862, 35.2086,

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

52.5862, 35.2086, 64.9971

Protanopia

37.7696, 35.7701, 88.9180

Deuteranopia

36.1629, 35.2958, 61.4067



Tritanopia

45.4468, 35.1135, 29.9735

Trichromacy



Original Color

52.5862, 35.2086, 64.9971



Protanomaly

40.6830, 33.9041, 79.2628



Deuteranomaly

40.5807, 33.9926, 62.8149



Tritanomaly

47.8431, 35.1246, 40.8173

Monochromacy



Original Color

52.5862, 35.2086, 64.9971



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

39.7523, 34.8002, 47.8020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5862, 35.2086, 64.9971 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, 117, 210)` looks like.

```
.text, #text, p{  
    color:rgb(236, 117, 210)  
}
```

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, 117, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 117, 210) }
```

Border

The CSS property to change the border of an element to XYZ 52.5862, 35.2086, 64.9971 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, 117, 210) }
```


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

```
.border{ border-color:rgb(236, 117, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 117, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 117, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 117, 210);  
box-shadow:4px 4px 4px 4px rgb(236, 117,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5862, 35.2086, 64.9971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 117, 210) }
```

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

```
.background{ background-color: rgb(236,  
117, 210) }
```

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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