

Converting Colors

XYZ(56.0716, 36.2490, 87.6527)

Have a look what the booklet for
XYZ(56.0716, 36.2490, 87.6527)
contains.

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Color

**XYZ(56.2041, 36.3940,
88.0669)**

Conversions

Conversions Part 1

Format	Color
Hex	EA74F2
RGB	234, 116, 242
RGB Percent	92%, 45%, 95%
CMY	0.0823, 0.5451, 0.0510
CMYK	0.03, 0.52, 0.00, 0.05
HSL	296°, 83%, 70%
HSV	296°, 52%, 95%
XYZ	56.2041, 36.3940, 88.0669
YIQ	165.6460, 29.8820, 64.2020

Conversions

Conversions Part 2

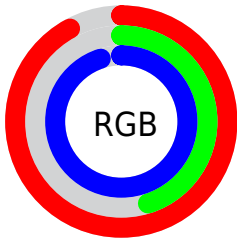
Format	Color
RYB	234, 116, 242
Decimal	15365362
CIELab	66.82, 62.69, -43.55
CIELCh	67, 76.335, 325.214
Yxy	36.3940, 0.3111, 0.2014
Android (android.graphics.Color)	4293555442 (0xFFEA74F2)
YUV	165.6460, 37.6425, 59.9465
Hunter-Lab	60.3274, 60.7266, -44.3232

Details

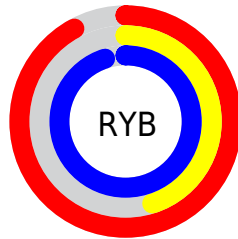
The XYZ color **56.2041, 36.3940, 88.0669** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **43.2179, 69.0512, 27.5750**, and the grayscale version is **35.8903, 37.7594, 41.1200**.

A 20% lighter version of the original color is **74.0425, 57.9850, 101.8975**, and **28.2773, 15.9646, 47.4900** is the 20% darker color. If you saturate the color by 10%, you get **53.2674, 31.2653, 87.2323**, and if you desaturate by 10%, it is **59.8742, 42.9810, 89.1454**.

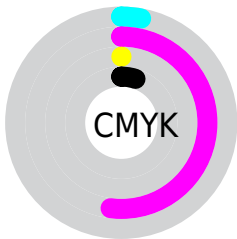
Distribution



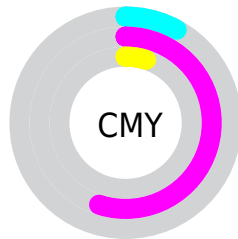
- Red (92%)
- Green (45%)
- Blue (95%)



- Red (92%)
- Yellow (45%)
- Blue (95%)



- Cyan (3%)
- Magenta (52%)
- Yellow (0%)
- Black (5%)





- Cyan (8%)
- Magenta (55%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.2041, 36.3940, 88.0669 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 56.2041, 36.3940, 88.0669 by changing the saturation by 10% instead.


 56.2041, 36.3940,
88.0669

 56.2041, 36.3940,
88.0669

400.5228,
330.6794, 542.1293

 40.6042, 24.7386,
65.8138

 98.4410, 69.6398,
146.5623

 28.1963, 15.8824,
47.6658


 125.8088, 91.9990,
183.6416

 18.6149, 9.4410,
33.2042


 157.8298,
118.6949, 226.5001

 11.4947, 5.0299,
22.0105

194.8696,
150.1119, 275.5564

 6.4703, 2.2648,
13.6662

237.2935,
186.6345, 331.2289

 3.1765, 0.7550,
7.7528

285.4667,

 1.2478, 0.0000,

228.6470, 393.9362

3.8517

339.7547,
276.5339, 464.0968

■ 0.1436, 0.0000,
1.5443

■ 0.0000, 0.0000,
0.2506

■ 56.2041, 36.3940,
88.0669

■ 56.2041, 36.3940,
88.0669

■ 53.2674, 31.2653,
87.2323

■ 59.8742, 42.9810,
89.1454

■ 51.0025, 27.4746,
86.6200


■ 64.3252, 51.1245,
90.4827


■ 49.3444, 24.8909,
86.2087


■ 69.6054, 60.9197,
92.0950


■ 48.2128, 23.3541,
85.9716


■ 75.7577, 72.4527,
93.9969


 47.5913, 22.6828,
85.8748

 82.8224, 85.8039,
96.2016

 88.8252, 97.0247,
98.0510

 89.3583, 97.2995,
98.0760

 89.8959, 97.5767,
98.1011

 90.4379, 97.8561,
98.1265

Harmonies

Analogous

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



44.9317, 36.3940, 129.4159



56.2041, 36.3940, 88.0669



61.7513, 36.3940, 45.1698

Triad

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



56.2041, 36.3940, 88.0669



36.4762, 36.3940, 4.0431



18.1486, 36.3940, 73.3330

Complementary

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



56.2041, 36.3940, 88.0669



43.2179, 69.0512, 27.5750

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.



16.8556, 36.3940, 34.5571



56.2041, 36.3940, 88.0669



25.9733, 36.3940, 5.4552

Square

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



56.2041, 36.3940, 88.0669



48.8588, 36.3940, 6.9947



19.3799, 36.3940, 13.3033



23.4130, 36.3940, 118.0906

Rectangle

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



56.2041, 36.3940, 88.0669



60.7265, 36.3940, 25.1798



19.3799, 36.3940, 13.3033



17.2930, 36.3940, 58.7531

Sweetspot

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



56.2054, 36.3956, 88.0677



82.4407, 76.1865, 104.9681



30.4888, 24.6413, 87.1543



17.3397, 15.7334, 22.3729



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.



56.2054, 36.3956, 88.0677



59.9587, 35.1567, 98.2335



51.8770, 34.9745, 51.2566



16.3494, 15.9773, 19.9438



25.6108, 12.2083, 46.1345



2.1603, 1.0309, 3.8393

Inverse Universe

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



46.5026, 32.8248, 22.9551



48.1560, 30.8511, 17.3093



46.2684, 70.1432, 49.4306



15.8135, 15.7751, 16.5741



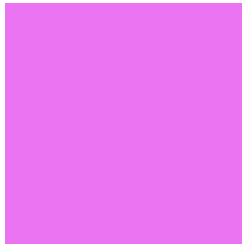
19.7357, 10.1667, 1.2591



1.6560, 0.8514, 0.1793

Previews

White Background



This preview shows how the XYZ color 56.2041, 36.3940, 88.0669 looks on a white background.

Color Contrast Check

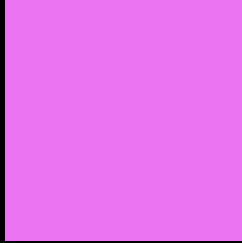
Large Text (above 18pt) WCAG AA × Fail

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 56.2041, 36.3940, 88.0669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

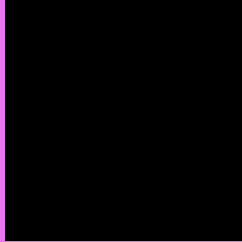
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.2041, 36.3940, 88.0669

Background



This preview shows how black text looks on a background with the XYZ color 56.2041, 36.3940, 88.0669.

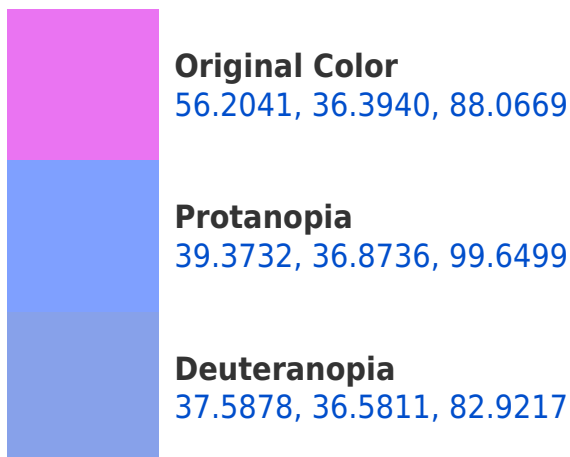


This preview shows how white text looks on a background with the XYZ color 56.2041, 36.3940,

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

44.7816, 36.1648, 33.0540

Trichromacy



Original Color

56.2041, 36.3940, 88.0669



Protanomaly

42.9545, 34.9556, 94.9256



Deuteranomaly

42.2060, 35.0231, 84.6564



Tritanomaly

48.0276, 35.8202, 49.1824

Monochromacy



Original Color

56.2041, 36.3940, 88.0669



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

41.8134, 36.1512, 55.8130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2041, 36.3940, 88.0669 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, 116, 242)` looks like.

```
.text, #text, p{  
    color:rgb(234, 116, 242)  
}
```

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, 116, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 116, 242) }
```

Border

The CSS property to change the border of an element to XYZ 56.2041, 36.3940, 88.0669 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, 116, 242) }
```


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

```
.border{ border-color:rgb(234, 116, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 116, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 116, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 116, 242);  
box-shadow:4px 4px 4px 4px rgb(234, 116,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2041, 36.3940, 88.0669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 116, 242) }
```

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

```
.background{ background-color: rgb(234,  
116, 242) }
```

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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