

Converting Colors

XYZ(56.6540, 36.9820, 83.1407)

Have a look what the booklet for
XYZ(56.6540, 36.9820, 83.1407)
contains.

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Color

**XYZ(56.7615, 36.9559,
83.4984)**

Conversions

Conversions Part 1

Format	Color
Hex	EE75EC
RGB	238, 117, 236
RGB Percent	93%, 46%, 93%
CMY	0.0667, 0.5412, 0.0745
CMYK	0.00, 0.51, 0.01, 0.07
HSL	301°, 78%, 70%
HSV	301°, 51%, 93%
XYZ	56.7615, 36.9559, 83.4984
YIQ	166.7450, 33.9170, 62.6610

Conversions

Conversions Part 2

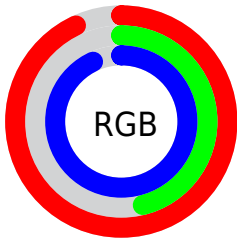
Format	Color
R _Y B	238, 117, 236
Decimal	15627756
CIE Lab	67.24, 62.25, -39.54
CIE LCh	67, 73.744, 327.576
Yxy	36.9559, 0.3203, 0.2085
Android (android.graphics.Color)	4293817836 (0xFFEE75EC)
YUV	166.7450, 34.1427, 62.4906
Hunter-Lab	60.7914, 60.2823, -38.8823

Details

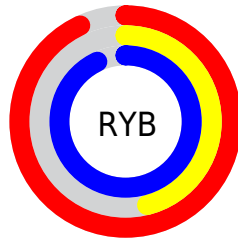
The XYZ color **56.7615, 36.9559, 83.4984** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **41.2421, 66.2643, 28.0715**, and the grayscale version is **36.4358, 38.3333, 41.7449**.

A 20% lighter version of the original color is **74.2336, 58.3671, 101.9612**, and **28.4445, 16.1107, 44.7905** is the 20% darker color. If you saturate the color by 10%, you get **54.2761, 32.0756, 82.3885**, and if you desaturate by 10%, it is **59.9544, 43.2491, 84.8455**.

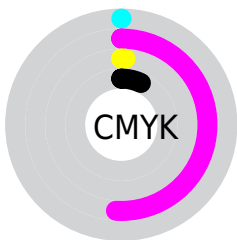
Distribution



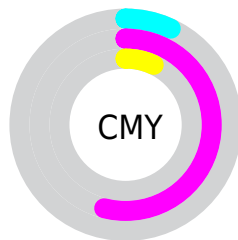
- Red (93%)
- Green (46%)
- Blue (93%)



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



- Cyan (0%)
- Magenta (51%)
- Yellow (1%)
- Black (7%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7615, 36.9559, 83.4984 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 56.7615, 36.9559, 83.4984 by changing the saturation by 10% instead.


 56.7615, 36.9559,
83.4984


 56.7615, 36.9559,
83.4984

402.5837,
333.1196, 526.6605

 41.0532, 25.1733,
62.0584

 99.2505, 70.5050,
140.1288

 28.5485, 16.2063,
44.6438


 126.7618, 93.0402,
176.1562

 18.8821, 9.6702,
30.8360


 158.9383,
119.9286, 217.8832

 11.6886, 5.1809,
20.2166

196.1451,
151.5543, 265.7283

 6.6027, 2.3538,
12.3670

238.7477,
188.3019, 320.1100

 3.2590, 0.8019,
6.8685

287.1114,

 1.2922, 0.0000,

230.5557, 381.4470

3.3028

341.6016,
278.7001, 450.1576

■ 0.1773, 0.0000,
1.2513

■ 0.0000, 0.0000,
0.0213

■ 56.7615, 36.9559,
83.4984

■ 56.7615, 36.9559,
83.4984

■ 54.2761, 32.0756,
82.3885

■ 59.9544, 43.2491,
84.8455

■ 52.4398, 28.4942,
81.4952


■ 63.8997, 51.0479,
86.4436


■ 51.1914, 26.0885,
80.7985


■ 68.6431, 60.4428,
88.3085


■ 50.4562, 24.7089,
80.2734


■ 74.2258, 71.5159,
90.4536


 50.1211, 24.1217,
79.9058

 80.6858, 84.3434,
92.8919

 86.5062, 95.8917,
95.1176

 86.5643, 95.9149,
95.4231

 86.6224, 95.9382,
95.7293

 86.6807, 95.9615,
96.0362

Harmonies

Analogous

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



46.1354, 36.9559, 124.0584



56.7615, 36.9559, 83.4984



61.5108, 36.9559, 42.9191

Triad

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



56.7615, 36.9559, 83.4984



36.0493, 36.9559, 4.6376



19.2133, 36.9559, 76.3231

Complementary

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



56.7615, 36.9559, 83.4984



41.2421, 66.2643, 28.0715

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.



17.6265, 36.9559, 37.6723



56.7615, 36.9559, 83.4984



26.0233, 36.9559, 6.4981

Square

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



56.7615, 36.9559, 83.4984



48.0643, 36.9559, 7.3073



19.8324, 36.9559, 15.3028



24.7459, 36.9559, 118.5846

Rectangle

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



56.7615, 36.9559, 83.4984



60.0812, 36.9559, 24.2645



19.8324, 36.9559, 15.3028



18.2602, 36.9559, 62.0252

Sweetspot

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



56.7628, 36.9576, 83.4992



83.9368, 77.9362, 104.6940



29.1318, 22.6795, 83.7322



17.6715, 16.0977, 22.2956



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.



56.7628, 36.9576, 83.4992



63.3832, 37.3246, 96.3151



49.6085, 34.0959, 45.8252



16.4423, 16.0266, 19.8856



27.9673, 13.4593, 44.6058



2.3302, 1.1211, 3.7297

Inverse Universe

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



56.7628, 36.9576, 83.4992



63.3832, 37.3246, 96.3151



45.8980, 68.1267, 52.5894



16.4423, 16.0266, 19.8856



27.9673, 13.4593, 44.6058



2.3302, 1.1211, 3.7297

Previews

White Background



This preview shows how the XYZ color 56.7615, 36.9559, 83.4984 looks on a white background.

Color Contrast Check

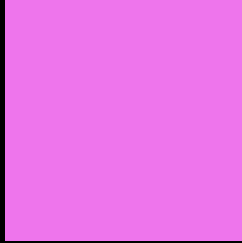
Large Text (above 18pt) WCAG AA × Fail

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 56.7615, 36.9559, 83.4984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

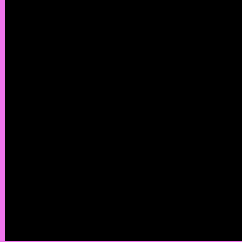
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.7615, 36.9559, 83.4984

Background



This preview shows how black text looks on a background with the XYZ color 56.7615, 36.9559, 83.4984.



This preview shows how white text looks on a background with the XYZ color 56.7615, 36.9559,

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

56.7615, 36.9559, 83.4984

Protanopia

39.8481, 37.3769, 99.7220

Deuteranopia

38.2516, 37.2817, 78.5788



Tritanopia

46.1918, 36.6778, 33.0787

Trichromacy



Original Color

56.7615, 36.9559, 83.4984



Protanomaly

43.4309, 35.4631, 93.3629



Deuteranomaly

43.0628, 35.7923, 80.2402



Tritanomaly

49.2781, 36.2904, 48.1236

Monochromacy



Original Color

56.7615, 36.9559, 83.4984



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

42.2542, 36.6381, 54.7140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7615, 36.9559, 83.4984 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(238, 117, 236)` looks like.

```
.text, #text, p{  
    color:rgb(238, 117, 236)  
}
```

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(238, 117, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 117, 236) }
```

Border

The CSS property to change the border of an element to XYZ 56.7615, 36.9559, 83.4984 is called "border". The border property can be set on classes, ids or directly on the HTML element.

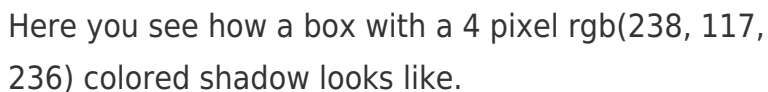
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 117, 236) }
```


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

```
.border{ border-color:rgb(238, 117, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(238, 117, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 117, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 117, 236); box-shadow:4px 4px 4px 4px rgb(238, 117, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7615, 36.9559, 83.4984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 117, 236) }
```

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

```
.background{ background-color: rgb(238,  
117, 236) }
```

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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