

Converting Colors

XYZ(52.2345, 36.6539, 66.3647)

Have a look what the booklet for
XYZ(52.2345, 36.6539, 66.3647)
contains.

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Color

**XYZ(52.2995, 36.6641,
66.6077)**

Conversions

Conversions Part 1

Format	Color
Hex	E77ED4
RGB	231, 126, 212
RGB Percent	91%, 49%, 83%
CMY	0.0941, 0.5059, 0.1686
CMYK	0.00, 0.45, 0.08, 0.09
HSL	311°, 69%, 70%
HSV	311°, 45%, 91%
XYZ	52.2995, 36.6641, 66.6077
YIQ	167.1990, 34.9740, 49.0060

Conversions

Conversions Part 2

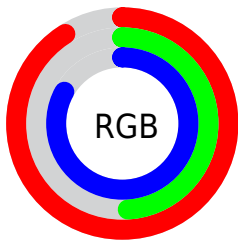
Format	Color
R _{YB}	231, 126, 212
Decimal	15171284
CIE _{Lab}	67.02, 51.86, -26.63
CIE _{LCh}	67, 58.299, 332.816
Y _{xy}	36.6641, 0.3362, 0.2357
Android (android.graphics.Color)	4293361364 (0xFFE77ED4)
YUV	167.1990, 22.0869, 55.9535
Hunter-Lab	60.5509, 48.2114, -22.8351

Details

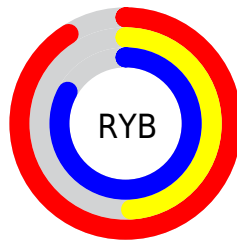
The XYZ color **52.2995, 36.6641, 66.6077** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **42.2926, 63.6330, 36.8439**, and the grayscale version is **36.7125, 38.6244, 42.0620**.

A 20% lighter version of the original color is **75.8139, 61.5277, 102.4880**, and **25.6367, 15.9533, 33.6264** is the 20% darker color. If you saturate the color by 10%, you get **49.1593, 31.2161, 62.9930**, and if you desaturate by 10%, it is **56.1376, 43.4847, 70.5231**.

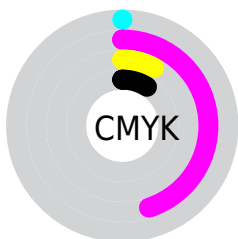
Distribution



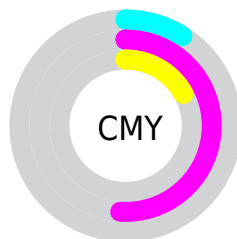
- Red (91%)
- Green (49%)
- Blue (83%)



- Red (91%)
- Yellow (49%)
- Blue (83%)



- Cyan (0%)
- Magenta (45%)
- Yellow (8%)
- Black (9%)





- Cyan (9%)
- Magenta (51%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2995, 36.6641, 66.6077 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 52.2995, 36.6641, 66.6077 by changing the saturation by 10% instead.


 52.2995, 36.6641,
66.6077


 52.2995, 36.6641,
66.6077

385.8968,
331.8540, 467.0105


 37.4691, 24.9475,
48.3063


 92.7444, 70.0559,
115.9934

 25.7462, 16.0380,
33.7078


 119.0896, 92.4998,
147.9148

 16.7656, 9.5510,
22.3937


 150.0038,
119.2884, 185.2132

 10.1618, 5.1023,
13.9454

185.8523,
150.8060, 228.3073

 5.5694, 2.3074,
7.9444

227.0005,
187.4369, 277.6155

 2.6232, 0.7776,
3.9721

273.8137,

 0.9578, 0.0000,

229.5656, 333.5564

1.6101

326.6574,
277.5765, 396.5486

■ 0.0000, 0.0000,
0.2980

■ 0.0000, 0.0000,
0.0000

■ 52.2995, 36.6641,
66.6077

■ 52.2995, 36.6641,
66.6077

■ 49.1593, 31.2161,
62.9930

■ 56.1376, 43.4847,
70.5231

■ 46.6657, 27.0404,
59.6604


■ 60.7133, 51.7591,
74.7518


■ 44.7662, 24.0312,
56.5922


■ 66.0672, 61.5679,
79.3084


■ 43.3981, 22.0635,
53.7669


■ 72.2363, 72.9845,
84.2054


 42.4843, 20.9832,
51.1585


 79.2547, 86.0775,
89.4550

 42.1622, 20.6718,
50.0248

 84.0135, 94.6283,
94.0210

 84.6318, 94.8757,
97.2773

 85.2645, 95.1288,
100.6090

 85.9116, 95.3876,
104.0167

Harmonies

Analogous

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



44.9168, 36.6641, 96.5446



52.2995, 36.6641, 66.6077



54.7766, 36.6641, 37.5725

Triad

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



52.2995, 36.6641, 66.6077



34.0182, 36.6641, 8.3340



22.4051, 36.6641, 72.6180

Complementary

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



52.2995, 36.6641, 66.6077



42.2926, 63.6330, 36.8439

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.



20.4553, 36.6641, 42.3653



52.2995, 36.6641, 66.6077



26.4092, 36.6641, 11.3587

Square

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



52.2995, 36.6641, 66.6077



43.2223, 36.6641, 10.3534



21.7876, 36.6641, 21.5265



27.6321, 36.6641, 100.9262

Rectangle

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



52.2995, 36.6641, 66.6077



53.0220, 36.6641, 23.8370



21.7876, 36.6641, 21.5265



21.3889, 36.6641, 61.9789

Sweetspot

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



52.3007, 36.6658, 66.6084



83.6770, 78.8906, 100.0636



33.3009, 26.5776, 78.9769



17.5745, 16.2671, 21.1426



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.



52.3007, 36.6658, 66.6084



61.5718, 39.1564, 78.8960



46.8503, 34.4856, 37.9073



14.8773, 14.5681, 17.5544



23.6788, 11.6057, 28.2670



1.7791, 0.8693, 2.2431

Inverse Universe

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



52.3007, 36.6658, 66.6084



61.5718, 39.1564, 78.8960



47.1454, 65.5741, 62.3984



14.8773, 14.5681, 17.5544



23.6788, 11.6057, 28.2670



1.7791, 0.8693, 2.2431

Previews

White Background



This preview shows how the XYZ color 52.2995, 36.6641, 66.6077 looks on a white background.

Color Contrast Check

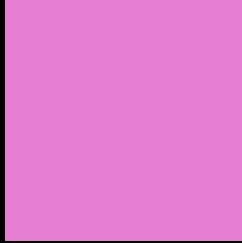
Large Text (above 18pt) WCAG AA × Fail

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 52.2995, 36.6641, 66.6077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

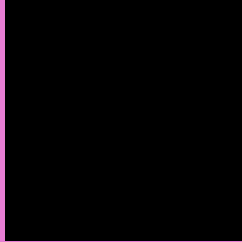
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.2995, 36.6641, 66.6077

Background



This preview shows how black text looks on a background with the XYZ color 52.2995, 36.6641, 66.6077.



This preview shows how white text looks on a background with the XYZ color 52.2995, 36.6641,

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

52.2995, 36.6641, 66.6077

Protanopia

38.8061, 37.1250, 86.7819

Deuteranopia

37.6160, 36.7659, 63.5065



Tritanopia

45.4781, 36.5145, 33.5052

Trichromacy



Original Color

52.2995, 36.6641, 66.6077



Protanomaly

41.7460, 35.6076, 78.8014



Deuteranomaly

41.7422, 35.9242, 64.4085



Tritanomaly

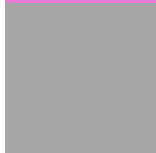
47.7465, 36.3982, 44.0442

Monochromacy



Original Color

52.2995, 36.6641, 66.6077



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

41.0107, 36.8225, 49.7457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2995, 36.6641, 66.6077 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(231, 126, 212)` looks like.

```
.text, #text, p{  
    color:rgb(231, 126, 212)  
}
```

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(231, 126, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 126, 212) }
```

Border

The CSS property to change the border of an element to XYZ 52.2995, 36.6641, 66.6077 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(231, 126, 212) }
```


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

```
.border{ border-color:rgb(231, 126, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 126, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 126, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 126, 212); box-shadow:4px 4px 4px 4px rgb(231, 126, 212) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2995, 36.6641, 66.6077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 126, 212) }
```

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

```
.background{ background-color: rgb(231,  
126, 212) }
```

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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