

Converting Colors

XYZ(51.8801, 36.7515, 65.9426)

Have a look what the booklet for
XYZ(51.8801, 36.7515, 65.9426)
contains.

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Color

**XYZ(52.1102, 36.9645,
66.0164)**

Conversions

Conversions Part 1

Format	Color
Hex	E680D3
RGB	230, 128, 211
RGB Percent	90%, 50%, 83%
CMY	0.0980, 0.4980, 0.1725
CMYK	0.00, 0.44, 0.08, 0.10
HSL	311°, 67%, 70%
HSV	311°, 44%, 90%
XYZ	52.1102, 36.9645, 66.0164
YIQ	167.9600, 34.1490, 47.4370

Conversions

Conversions Part 2

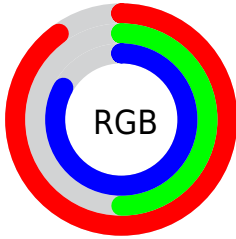
Format	Color
R _Y B	230, 128, 211
Decimal	15106259
CIE _{Lab}	67.25, 50.39, -25.74
CIE _{LCh}	67, 56.583, 332.941
Y _{xy}	36.9645, 0.3360, 0.2383
Android (android.graphics.Color)	4293296339 (0xFFE680D3)
YUV	167.9600, 21.2187, 54.4091
Hunter-Lab	60.7984, 46.5947, -21.8196

Details

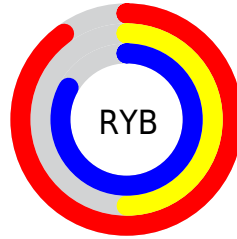
The XYZ color **52.1102, 36.9645, 66.0164** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **42.4670, 63.2907, 37.5843**, and the grayscale version is **37.0885, 39.0199, 42.4927**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **25.5301, 16.2031, 33.2344** is the 20% darker color. If you saturate the color by 10%, you get **48.9135, 31.4186, 62.3361**, and if you desaturate by 10%, it is **56.0035, 43.8793, 70.0003**.

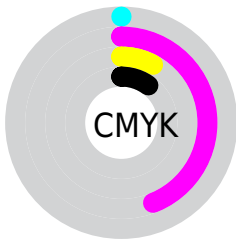
Distribution



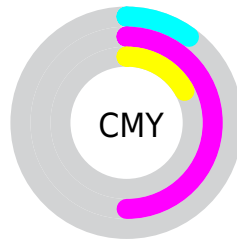
- Red (90%)
- Green (50%)
- Blue (83%)



- Red (90%)
- Yellow (50%)
- Blue (83%)



- Cyan (0%)
- Magenta (44%)
- Yellow (8%)
- Black (10%)





- Cyan (10%)
- Magenta (50%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1102, 36.9645, 66.0164 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 52.1102, 36.9645, 66.0164 by changing the saturation by 10% instead.


 52.1102, 36.9645,
66.0164


 52.1102, 36.9645,
66.0164


385.1789,
333.1568, 464.8413


 37.3175, 25.1800,
47.8291

 92.4670, 70.5182,
115.1371

 25.6283, 16.2112,
33.3326


 118.7619, 93.0562,
146.9076

 16.6770, 9.6737,
22.1081

 149.6215,
119.9474, 184.0430

 10.0983, 5.1832,
13.7373

185.4113,
151.5764, 226.9617

 5.5270, 2.3551,
7.8015

226.4966,
188.3274, 276.0824

 2.5975, 0.8027,
3.8823

273.2427,

 0.9447, 0.0000,

230.5849, 331.8235

1.5610

326.0150,
278.7332, 394.6037

■ 0.0000, 0.0000,
0.2627

■ 0.0000, 0.0000,
0.0000

■ 52.1102, 36.9645,
66.0164

■ 52.1102, 36.9645,
66.0164

■ 48.9135, 31.4186,
62.3361

■ 56.0035, 43.8793,
70.0003

■ 46.3631, 27.1433,
58.9410

■ 60.6321, 52.2421,
74.3000

■ 44.4077, 24.0357,
55.8138

■ 66.0360, 62.1324,
78.9300

■ 42.9867, 21.9741,
52.9337

■ 72.2512, 73.6220,
83.9026

■ 42.0257, 20.8104,
50.2754

■ 79.3118, 86.7784,
89.2297

■ 41.6198, 20.4177,
48.8482

■ 83.6370, 94.4406,
93.7183

■ 84.2697, 94.6936,
97.0499

■ 84.9174, 94.9527,
100.4607

■ 85.5802, 95.2179,
103.9514

Harmonies

Analogous

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



44.9683, 36.9645, 94.8676



52.1102, 36.9645, 66.0164



54.4830, 36.9645, 37.8550

Triad

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



52.1102, 36.9645, 66.0164



34.2878, 36.9645, 8.9706



22.9499, 36.9645, 72.0758

Complementary

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



52.1102, 36.9645, 66.0164



42.4670, 63.2907, 37.5843

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.



21.0120, 36.9645, 42.7399



52.1102, 36.9645, 66.0164



26.8488, 36.9645, 12.0599

Square

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



52.1102, 36.9645, 66.0164



43.2496, 36.9645, 10.9991



22.3139, 36.9645, 22.2459



28.1024, 36.9645, 99.2590

Rectangle

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



52.1102, 36.9645, 66.0164



52.7694, 36.9645, 24.3997



22.3139, 36.9645, 22.2459



21.9430, 36.9645, 61.7980

Sweetspot

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



52.1114, 36.9662, 66.0172



84.3930, 80.2515, 100.5213



33.9828, 27.3288, 78.3477



17.7143, 16.5344, 21.2272



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.



52.1114, 36.9662, 66.0172



62.1966, 40.3601, 79.2451



46.7252, 34.8117, 37.6541



14.8739, 14.5667, 17.5363



23.6050, 11.5762, 27.8787



1.7743, 0.8674, 2.2177

Inverse Universe

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



52.1114, 36.9662, 66.0172



62.1966, 40.3601, 79.2451



47.3588, 65.2474, 63.3443



14.8739, 14.5667, 17.5363



23.6050, 11.5762, 27.8787



1.7743, 0.8674, 2.2177

Previews

White Background



This preview shows how the XYZ color 52.1102, 36.9645, 66.0164 looks on a white background.

Color Contrast Check

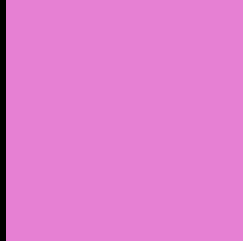
Large Text (above 18pt) WCAG AA × Fail

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 52.1102, 36.9645, 66.0164 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 52.1102, 36.9645, 66.0164

Background



This preview shows how black text looks on a background with the XYZ color 52.1102, 36.9645, 66.0164.



This preview shows how white text looks on a background with the XYZ color 52.1102, 36.9645,

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

52.1102, 36.9645, 66.0164

Protanopia

39.0216, 37.5305, 85.3082

Deuteranopia

38.0624, 37.2684, 62.9450



Tritanopia

45.5422, 36.9721, 34.0141

Trichromacy



Original Color

52.1102, 36.9645, 66.0164



Protanomaly

42.1435, 36.2984, 78.1839



Deuteranomaly

42.0175, 36.3142, 63.8263



Tritanomaly

47.7110, 36.7942, 44.1225

Monochromacy



Original Color

52.1102, 36.9645, 66.0164



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

41.5288, 37.3195, 50.3620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1102, 36.9645, 66.0164 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(230, 128, 211)` looks like.

```
.text, #text, p{  
    color:rgb(230, 128, 211)  
}
```

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(230, 128, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 128, 211) }
```

Border

The CSS property to change the border of an element to XYZ 52.1102, 36.9645, 66.0164 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(230, 128, 211) }
```


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

```
.border{ border-color:rgb(230, 128, 211) }
```

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

Here you see how a box with a 4 pixel rgb(230, 128, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 128, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 128, 211);  
box-shadow:4px 4px 4px 4px rgb(230, 128,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1102, 36.9645, 66.0164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 128, 211) }
```

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

```
.background{ background-color: rgb(230,  
128, 211) }
```

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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