

Converting Colors

XYZ(61.4108, 46.7039, 86.3693)

Have a look what the booklet for
XYZ(61.4108, 46.7039, 86.3693)
contains.

XYZ(61.4159, 46.7884, 86.6830)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(61.4159, 46.7884,
86.6830)**

Conversions

Conversions Part 1

Format	Color
Hex	EC99EE
RGB	236, 153, 238
RGB Percent	93%, 60%, 93%
CMY	0.0745, 0.4000, 0.0667
CMYK	0.01, 0.36, 0.00, 0.07
HSL	299°, 71%, 77%
HSV	299°, 36%, 93%
XYZ	61.4159, 46.7884, 86.6830
YIQ	187.5070, 22.1830, 44.0310

Conversions

Conversions Part 2

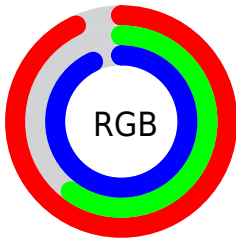
Format	Color
R _Y B	236, 153, 238
Decimal	15505902
CIE Lab	74.05, 44.10, -30.10
CIE LCh	74, 53.392, 325.689
Yxy	46.7884, 0.3151, 0.2401
Android (android.graphics.Color)	4293695982 (0xFFEC99EE)
YUV	187.5070, 24.8930, 42.5284
Hunter-Lab	68.4020, 40.5656, -27.2543

Details

The XYZ color **61.4159, 46.7884, 86.6830** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **49.8435, 70.4187, 41.1045**, and the grayscale version is **47.3767, 49.8440, 54.2801**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **31.5911, 22.0754, 46.8519** is the 20% darker color. If you saturate the color by 10%, you get **57.7170, 39.6652, 85.5037**, and if you desaturate by 10%, it is **65.8953, 55.4697, 88.1233**.

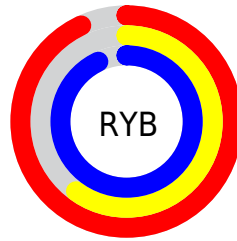
Distribution



Red (93%)

Green (60%)

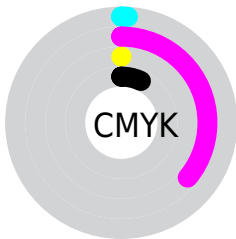
Blue (93%)



Red (93%)

Yellow (60%)

Blue (93%)

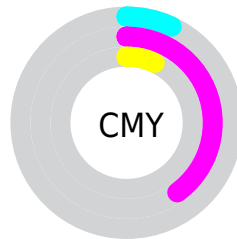


Cyan (1%)

Magenta (36%)

Yellow (0%)

Black (7%)



Cyan (7%)


Magenta (40%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.4159, 46.7884, 86.6830 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 61.4159, 46.7884, 86.6830 by changing the saturation by 10% instead.


 61.4159, 46.7884,
86.6830


 61.4159, 46.7884,
86.6830


419.5489,
373.9693, 537.4698

 44.8147, 32.8684,
64.6748


 105.9756, 85.3977,
144.6172

 31.5122, 22.0257,
46.7477


 134.6648,
110.8558, 181.3802

 21.1429, 13.8758,
32.4834


168.1141,
140.9287, 223.8986

 13.3415, 8.0343,
21.4631

206.6888,
176.0008, 272.5909

 7.7428, 4.1169,
13.2684

250.7543,
216.4565, 327.8756

 3.9812, 1.7392,
7.4807

300.6759,

 1.6915, 0.4488,

262.6802, 390.1713

3.6816

356.8190,
315.0564, 459.8965

■ 0.4509, 0.0000,
1.4523

■ 0.0000, 0.0000,
0.1820

■ 61.4159, 46.7884,
86.6830

■ 61.4159, 46.7884,
86.6830

■ 57.7170, 39.6652,
85.5037

■ 65.8953, 55.4697,
88.1233

■ 54.7476, 34.0010,
84.5669

■ 71.1931, 65.7881,
89.8357

■ 52.4578, 29.6953,
83.8565

■ 77.3505, 77.8247,
91.8344

■ 50.7896, 26.6318,
83.3531

■ 84.4043, 91.6534,
94.1319

49.6752, 24.6751,
83.0342

86.7221, 96.0092,
94.8505

49.0311, 23.6581,
82.8718

86.9112, 96.1067,
94.8593

48.8422, 23.3963,
82.8313

87.1009, 96.2044,
94.8682

87.2912, 96.3025,
94.8771

87.4821, 96.4009,
94.8860

Harmonies

Analogous

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



52.9095, 46.7884, 114.4982



61.4159, 46.7884, 86.6830



65.3946, 46.7884, 54.9985

Triad

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



61.4159, 46.7884, 86.6830



45.8648, 46.7884, 14.4541



29.8990, 46.7884, 77.2912

Complementary

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



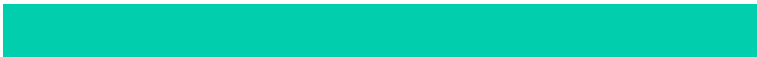
61.4159, 46.7884, 86.6830



49.8435, 70.4187, 41.1045

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.



28.5672, 46.7884, 47.0950



61.4159, 46.7884, 86.6830



36.9811, 46.7884, 16.7441

Square

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



61.4159, 46.7884, 86.6830



55.6379, 46.7884, 18.6970



30.9703, 46.7884, 26.6911



34.9081, 46.7884, 107.8523

Rectangle

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



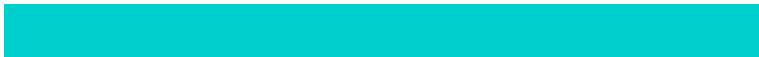
61.4159, 46.7884, 86.6830



64.5810, 46.7884, 38.0135



30.9703, 46.7884, 26.6911



29.0401, 46.7884, 66.5187

Sweetspot

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



61.4174, 46.7905, 86.6840



86.5031, 83.2659, 106.1205



40.4320, 36.6687, 85.8364



18.3085, 17.4184, 22.6471



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.



61.4174, 46.7905, 86.6840



68.5264, 48.3520, 100.3289



56.8842, 45.0543, 59.3279



16.4154, 16.0113, 19.9469



27.2653, 13.0612, 46.2119



2.2798, 1.0925, 3.8449

Inverse Universe

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



52.5691, 43.3283, 36.6050



56.7587, 43.7538, 33.4415



53.3015, 71.7579, 61.3006



15.7879, 15.7649, 16.4392



19.6951, 10.1505, 1.0452



1.6437, 0.8465, 0.1147

Previews

White Background



This preview shows how the XYZ color 61.4159, 46.7884, 86.6830 looks on a white background.

Color Contrast Check

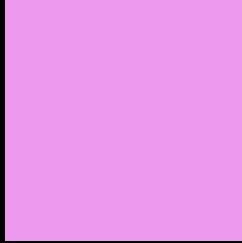
Large Text (above 18pt) WCAG AA × Fail

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 61.4159, 46.7884, 86.6830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

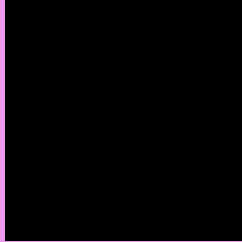
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.4159, 46.7884, 86.6830

Background



This preview shows how black text looks on a background with the XYZ color 61.4159, 46.7884, 86.6830.



This preview shows how white text looks on a background with the XYZ color 61.4159, 46.7884,

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

61.4159, 46.7884, 86.6830

Protanopia

48.6693, 47.2334, 101.1596

Deuteranopia

48.0617, 47.0076, 83.6311



Tritanopia

53.4859, 46.6186, 48.2988

Trichromacy



Original Color

61.4159, 46.7884, 86.6830



Protanomaly

51.9671, 46.1538, 95.7921



Deuteranomaly

52.1351, 46.4834, 84.8216



Tritanomaly

56.1252, 46.6488, 60.6896

Monochromacy



Original Color

61.4159, 46.7884, 86.6830



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

51.6474, 48.0953, 64.9537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.4159, 46.7884, 86.6830 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, 153, 238)` looks like.

```
.text, #text, p{  
    color:rgb(236, 153, 238)  
}
```

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, 153, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 153, 238) }
```

Border

The CSS property to change the border of an element to XYZ 61.4159, 46.7884, 86.6830 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, 153, 238) }
```


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

```
.border{ border-color:rgb(236, 153, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 153, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 153, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 153, 238);  
box-shadow:4px 4px 4px 4px rgb(236, 153,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 61.4159, 46.7884, 86.6830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 153, 238) }
```

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

```
.background{ background-color: rgb(236,  
153, 238) }
```

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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