

Converting Colors

XYZ(53.1997, 45.9011, 86.2916)

Have a look what the booklet for
XYZ(53.1997, 45.9011, 86.2916)
contains.

XYZ(53.2794, 45.9434, 86.1806)	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(53.2794, 45.9434,
86.1806)**

Conversions

Conversions Part 1

Format	Color
Hex	CAA6ED
RGB	202, 166, 237
RGB Percent	79%, 65%, 93%
CMY	0.2078, 0.3490, 0.0706
CMYK	0.15, 0.30, 0.00, 0.07
HSL	270°, 66%, 79%
HSV	270°, 30%, 93%
XYZ	53.2794, 45.9434, 86.1806
YIQ	184.8580, -1.3350, 29.7130

Conversions

Conversions Part 2

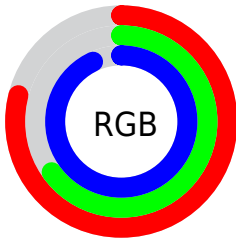
Format	Color
R _Y B	202, 166, 237
Decimal	13281005
CIE Lab	73.51, 26.45, -30.68
CIE LCh	74, 40.507, 310.769
Yxy	45.9434, 0.2874, 0.2478
Android (android.graphics.Color)	4291471085 (0xFFCAA6ED)
YUV	184.8580, 25.7060, 15.0335
Hunter-Lab	67.7816, 21.6914, -27.9369

Details

The XYZ color **53.2794, 45.9434, 86.1806** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **61.2559, 75.7402, 47.4692**, and the grayscale version is **45.8987, 48.2890, 52.5868**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **26.3904, 21.5739, 46.4893** is the 20% darker color. If you saturate the color by 10%, you get **46.3195, 36.5394, 84.7330**, and if you desaturate by 10%, it is **61.2755, 57.0623, 87.9061**.

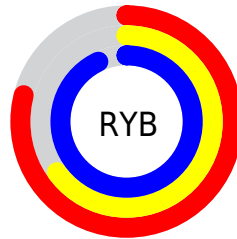
Distribution



Red (79%)

Green (65%)

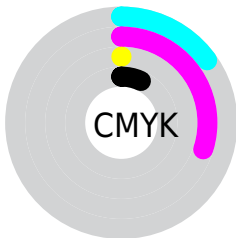
Blue (93%)



Red (79%)

Yellow (65%)

Blue (93%)

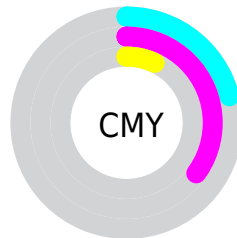


Cyan (15%)

Magenta (30%)

Yellow (0%)

Black (7%)



Cyan (21%)

Magenta (35%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2794, 45.9434, 86.1806 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 53.2794, 45.9434, 86.1806 by changing the saturation by 10% instead.

 53.2794, 45.9434,
86.1806


 53.2794, 45.9434,
86.1806


389.5995,
370.5811, 535.7727

 38.2542, 32.2012,
64.2616


 94.1785, 84.1343,
143.9103

 26.3582, 21.5152,
46.4150


 120.7831,
109.3517, 180.5580

 17.2259, 13.5011,
32.2224

151.9783,
139.1630, 222.9523

 10.4920, 7.7745,
21.2652

188.1293,
173.9525, 271.5119

 5.7911, 3.9510,
13.1249

229.6016,
214.1047, 326.6551

 2.7579, 1.6462,
7.3829

276.7605,

 1.0271, 0.3884,

260.0039, 388.8007

3.6206

329.9713,
312.0346, 458.3670

■ 0.0000, 0.0000,
1.4196

■ 0.0000, 0.0000,
0.1569

■ 53.2794, 45.9434,
86.1806

■ 53.2794, 45.9434,
86.1806

■ 46.3195, 36.5394,
84.7330

■ 61.2755, 57.0623,
87.9061

■ 40.3423, 28.7544,
83.5454

■ 70.3487, 69.9735,
89.9200

■ 35.2961, 22.4919,
82.6026

■ 80.5430, 84.7568,
92.2361

■ 31.1217, 17.6422,
81.8865

■ 90.0188, 97.7256,
94.2399

■ 27.7524, 14.0801,
81.3765

■ 92.2862, 98.8945,
94.3460

■ 25.1093, 11.6574,
81.0482

■ 23.0636, 10.1255,
80.8603

■ 23.0553, 10.1196,
80.8596

Harmonies

Analogous

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



46.2886, 45.9434, 99.5579



53.2794, 45.9434, 86.1806



57.9845, 45.9434, 64.1530

Triad

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



53.2794, 45.9434, 86.1806



48.3566, 45.9434, 21.2876



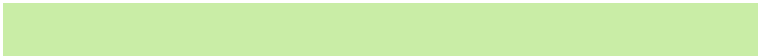
31.5016, 45.9434, 57.7518

Complementary

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



53.2794, 45.9434, 86.1806



61.2559, 75.7402, 47.4692

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.



31.9259, 45.9434, 38.1395



53.2794, 45.9434, 86.1806



41.1479, 45.9434, 20.4479

Square

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



53.2794, 45.9434, 86.1806



54.9348, 45.9434, 28.4587



35.2878, 45.9434, 25.7292



34.0574, 45.9434, 80.4084

Rectangle

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



53.2794, 45.9434, 86.1806



58.9152, 45.9434, 49.4976



35.2878, 45.9434, 25.7292



31.3081, 45.9434, 50.5552

Sweetspot

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



53.2809, 45.9453, 86.1816



84.1202, 84.1384, 106.4145



52.0170, 56.2299, 88.2334



17.6490, 17.4970, 22.6970



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.



53.2809, 45.9453, 86.1816



57.6889, 47.1499, 100.6680



63.8486, 51.3931, 86.6762



14.9593, 14.9243, 19.0145



12.7392, 5.6032, 44.1531



1.1114, 0.4972, 3.4723

Inverse Universe

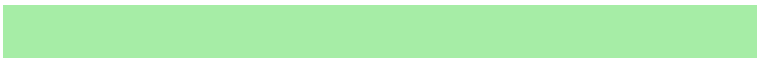
The Inverse Universe completely reimagines the original color for something new.



59.1053, 49.4958, 61.6985



65.8138, 52.1019, 66.5556



52.8945, 71.4297, 47.0779



15.3750, 15.1779, 17.2601



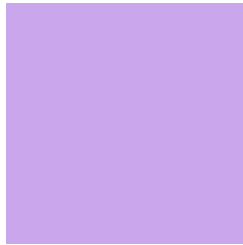
20.8815, 10.5553, 10.4433



1.6882, 0.8482, 1.0755

Previews

White Background



This preview shows how the XYZ color 53.2794, 45.9434, 86.1806 looks on a white background.

Color Contrast Check

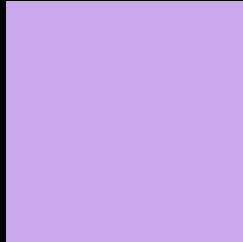
Large Text (above 18pt) WCAG AA × Fail

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 53.2794, 45.9434, 86.1806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

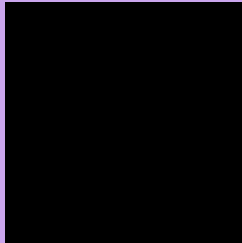
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.2794, 45.9434, 86.1806

Background



This preview shows how black text looks on a background with the XYZ color 53.2794, 45.9434, 86.1806.



This preview shows how white text looks on a background with the XYZ color 53.2794, 45.9434,

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

53.2794, 45.9434, 86.1806

Protanopia

47.2529, 46.0717, 93.5910

Deuteranopia

47.2780, 46.2740, 85.0372



Tritanopia

46.7634, 45.8034, 54.5204

Trichromacy



Original Color

53.2794, 45.9434, 86.1806

Protanomaly

49.2182, 45.9733, 91.0737

Deuteranomaly

49.3324, 46.1520, 85.6650

Tritanomaly

48.9191, 45.8316, 64.6606

Monochromacy



Original Color

53.2794, 45.9434, 86.1806

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

48.3053, 47.2768, 63.7061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2794, 45.9434, 86.1806 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(202, 166, 237)` looks like.

```
.text, #text, p{  
    color:rgb(202, 166, 237)  
}
```

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(202, 166, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 166, 237) }
```

Border

The CSS property to change the border of an element to XYZ 53.2794, 45.9434, 86.1806 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(202, 166, 237) }
```


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

```
.border{ border-color:rgb(202, 166, 237) }
```

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

Here you see how a box with a 4 pixel rgb(202, 166, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 166, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 166, 237);  
box-shadow:4px 4px 4px 4px rgb(202, 166,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2794, 45.9434, 86.1806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 166, 237) }
```

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

```
.background{ background-color: rgb(202,  
166, 237) }
```

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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