Converting Colors

XYZ(65.0130, 96.6033, 42.2312)

Have a look what the booklet for XYZ(65.0130, 96.6033, 42.2312) contains.

Color

XYZ(57.9616, 82.3660, 40.0375)

Conversions

Conversions Part 1

Format	Color
Hex	ACFF92
RGB	172, 255, 146
RGB Percent	67%, 100%, 57%
CMY	0.3255, 0.0000, 0.4274
CMYK	0.33, 0.00, 0.43, 0.00
HSL	106°, 100%, 79%
HSV	106°, 43%, 100%
XYZ	57.9616, 82.3660, 40.0375
YIQ	217.7570, -14.4790, -51.4950

Conversions

Conversions Part 2

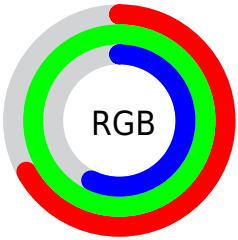
Format	Color
RYB	146, 255, 229
Decimal	11337618
CIELab	92.74, -44.69, 44.19
CIELCh	93, 62.847, 135.318
Yxy	82.3660, 0.3214, 0.4567
Android (android.graphics.Color)	4289527698 (0xFFACFF92)
YUV	217.7570, -35.3762, -40.1289
Hunter-Lab	90.7557, -44.8226, 37.3728

Details

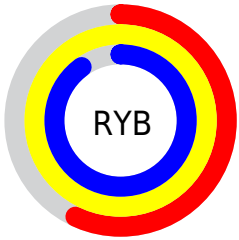
The XYZ color 57.9616, 82.3660, 40.0375 is a light color, and the websafe version is hex 99FF99. A complement of this color would be 60.6432, 44.4371, 99.9887, and the grayscale version is 66.7160, 70.1904, 76.4373.

A 20% lighter version of the original color is 78.9357, 92.5600, 68.9639, and 29.3723, 44.8915, 17.4728 is the 20% darker color. If you saturate the color by 10%, you get 52.2391, 79.6201, 30.5447, and if you desaturate by 10%, it is 64.7500, 85.6102, 51.8917.

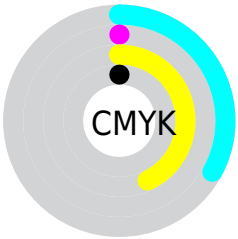
Distribution



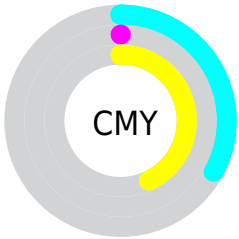
- Red (67%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (90%)



- Cyan (33%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)



- Cyan (33%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.9616, 82.3660, 40.0375 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 57.9616, 82.3660, 40.0375 by changing the saturation by 10% instead.

57.9616, 82.3660, 40.0375

57.9616, 82.3660, 40.0375

406.9990, 502.8711, 361.8384

42.0209, 61.6673, 27.2538

100.9902, 136.6871, 76.4583

29.3089, 44.7639, 17.5298

128.8089, 171.0783, 100.9325

19.4600, 31.2715, 10.4470

161.3176, 210.8025, 130.1406

12.1091, 20.8057, 5.5869

198.8817, 256.2439, 164.5011

6.8908, 12.9820, 2.5308

241.8665, 307.7872, 204.4326

3.4396, 7.4162, 0.8564

290.6374,

1.3903, 3.7237,

365.8165, 250.3536

345.5598, 430.7163, 302.6827

0.0000

0.2493, 1.5202, 0.0000

0.0000, 0.3029, 0.0000

57.9616, 82.3660, 40.0375

57.9616, 82.3660, 40.0375

52.2391, 79.6201, 30.5447

64.7500, 85.6102, 51.8917

47.5247, 77.3463, 23.2517

72.6555, 89.3761, 66.2472

43.7565, 75.5164, 17.9824

81.7271, 93.6860, 83.2371

40.8646, 74.0990, 14.5319

92.0107, 98.5610, 102.9842

38.7681, 73.0576, 12.6523

95.0500, 100.0000, 108.9000

37.6735, 72.5065, 12.0096

Harmonies

Analogous

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

70.2579, 82.3660, 27.7886

57.9616, 82.3660, 40.0375

51.6030, 82.3660, 68.7109

Triad

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

57.9616, 82.3660, 40.0375

70.5730, 82.3660, 208.2800

112.7573, 82.3660, 67.9033

Complementary

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

57.9616, 82.3660, 40.0375

60.6432, 44.4371, 99.9887

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.

112.8729, 82.3660, 114.5385

57.9616, 82.3660, 40.0375

86.9043, 82.3660, 207.8253

Square

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

57.9616, 82.3660, 40.0375

58.1644, 82.3660, 170.3108

102.8810, 82.3660, 169.2261

102.5843, 82.3660, 39.6249

Rectangle

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

57.9616, 82.3660, 40.0375

50.9299, 82.3660, 98.3049

102.8810, 82.3660, 169.2261

114.0160, 82.3660, 81.5797

Sweetspot

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

57.9620, 82.3662, 40.0388

81.4799, 93.5687, 82.7680

74.1034, 78.6852, 38.4775

16.9910, 19.8144, 16.8666

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.

57.9620, 82.3662, 40.0388

53.1628, 80.0642, 32.0373

55.1819, 80.6582, 52.3235

18.1771, 20.3772, 19.1195

19.7949, 37.9427, 6.2804

2.0197, 3.7419, 0.6158

Inverse Universe

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

60.6432, 44.4371, 99.9887

56.1118, 37.7188, 98.9308

65.4884, 47.4063, 78.9162

18.3444, 18.0693, 22.7708

21.2205, 9.8501, 50.2174

2.1631, 1.0090, 4.8940

Previews

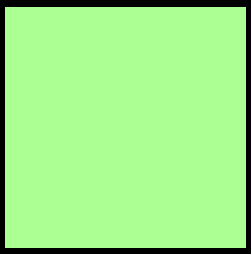
White Background

This preview shows how the XYZ color 57.9616, 82.3660, 40.0375 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



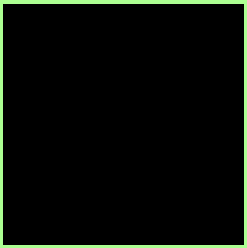
This preview shows how the XYZ color 57.9616, 82.3660, 40.0375 looks on a black background.

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 57.9616, 82.3660, 40.0375 Background



This preview shows how black text looks on a background with the XYZ color 57.9616, 82.3660, 40.0375.

This preview shows how white text looks on a background with the XYZ color 57.9616, 82.3660,

40.0375.

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
57.9616, 82.3660, 40.0375

Protanopia
75.0391, 81.4019, 36.1833

Deuteranopia
80.0388, 81.6104, 68.0338

Tritanopia
73.5672, 82.0967, 106.5766

Trichromacy

Original Color
57.9616, 82.3660, 40.0375

Protanomaly
67.3891, 80.8711, 37.6491

Deuteranomaly
70.0694, 80.5340, 56.1075

Tritanomaly
66.4040, 81.2875, 76.4802

Monochromacy

Original Color
57.9616, 82.3660, 40.0375

Achromatopsia
66.6397, 70.1102, 76.3500

Achromatomaly
62.1777, 73.3751, 60.7549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.9616, 82.3660, 40.0375 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(172, 255, 146) looks like.

```
.text, #text, p{
    color:rgb(172, 255, 146)
}
```

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(172, 255, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 146) }
```

Border

The CSS property to change the border of an element to XYZ 57.9616, 82.3660, 40.0375 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(172, 255, 146) }
```

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

```
.border{ border-color:rgb(172, 255, 146) }
```

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

Here you see how a box with a 4 pixel rgb(172, 255, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 255, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 255, 146); box-shadow:4px 4px 4px 4px rgb(172, 255, 146) }
```

Background

The CSS property to change the background color of an element to XYZ 57.9616, 82.3660, 40.0375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(172, 255, 146) }
```

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

```
.background{ background-color:rgb(172,
255, 146) }
```

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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