Converting Colors

XYZ(60.2774, 81.5903, 63.9939)

Have a look what the booklet for XYZ(60.2774, 81.5903, 63.9939) contains.

Color

XYZ(60.3866, 81.6679, 64.2105)

Conversions

Conversions Part 1

Format	Color
Hex	A6FCC3
RGB	166, 252, 195
RGB Percent	65%, 99%, 76%
CMY	0.3490, 0.0117, 0.2353
CMYK	0.34, 0.00, 0.23, 0.01
HSL	140°, 93%, 82%
HSV	140°, 34%, 99%
XYZ	60.3866, 81.6679, 64.2105
YIQ	219.7880, -32.9590, -35.9590

Conversions

Conversions Part 2

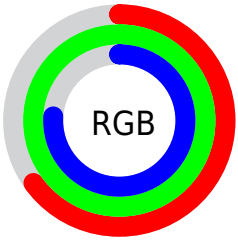
Format	Color
RYB	166, 230, 252
Decimal	10943683
CIELab	92.43, -37.53, 19.23
CIELCh	92, 42.164, 152.870
Yxy	81.6679, 0.2928, 0.3959
Android (android.graphics.Color)	4289133763 (0xFFA6FCC3)
YUV	219.7880, -12.2205, -47.1721
Hunter-Lab	90.3703, -38.8720, 21.1321

Details

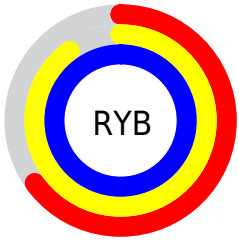
The XYZ color 60.3866, 81.6679, 64.2105 is a light color, and the websafe version is hex 99FFCC. A complement of this color would be 67.1031, 53.2974, 76.5660, and the grayscale version is 67.9804, 71.5207, 77.8860.

A 20% lighter version of the original color is 83.7621, 94.2363, 105.8701, and 30.8784, 44.3328, 32.1289 is the 20% darker color. If you saturate the color by 10%, you get 53.8287, 78.4956, 54.5913, and if you desaturate by 10%, it is 68.1952, 85.4651, 74.9946.

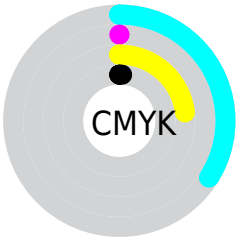
Distribution



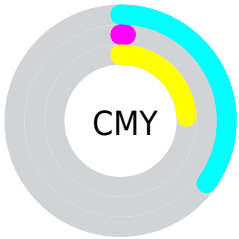
- Red (65%)
- Green (99%)
- Blue (76%)



- Red (65%)
- Yellow (90%)
- Blue (99%)



- Cyan (34%)
- Magenta (0%)
- Yellow (23%)
- Black (1%)



- Cyan (35%)
- Magenta (1%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.3866, 81.6679, 64.2105 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 60.3866, 81.6679, 64.2105 by changing the saturation by 10% instead.

60.3866, 81.6679, 64.2105

60.3866, 81.6679, 64.2105

415.8332, 500.5362, 458.1777

43.9810, 61.0918, 46.3739

104.4934, 135.7082, 112.5164

30.8534, 44.2993, 32.1902

132.9253, 169.9412, 143.8228

20.6385, 30.9059, 21.2408

166.0967, 209.4953, 180.4563

12.9710, 20.5272, 13.1072

204.3730, 254.7549, 222.8353

7.4854, 12.7788, 7.3708

248.1194, 306.1044, 271.3784

3.8165, 7.2764, 3.6131

297.7013,

1.5989, 3.6356,

363.9282, 326.5041

353.4842, 428.6106, 388.6310

1.4156

0.3917, 1.4719, 0.1538

0.0000, 0.2688, 0.0000

60.3866, 81.6679, 64.2105

60.3866, 81.6679, 64.2105

53.8287, 78.4956, 54.5913

68.1952, 85.4651, 74.9946

48.4472, 75.9039, 46.0921

77.3103, 89.9084, 86.9754

44.1701, 73.8587, 38.6732

87.7922, 95.0303, 100.1904

40.9140, 72.3181, 32.2903

94.1019, 98.1039, 108.5840

38.5832, 71.2334, 26.8960

37.0615, 70.5461, 22.4387

36.4507, 70.2794, 20.2335

Harmonies

Analogous

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

66.7698, 81.6679, 47.3559

60.3866, 81.6679, 64.2105

58.4742, 81.6679, 91.9693

Triad

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

60.3866, 81.6679, 64.2105

78.6796, 81.6679, 163.5677

96.6391, 81.6679, 60.1015

Complementary

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

60.3866, 81.6679, 64.2105

67.1031, 53.2974, 76.5660

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.

100.5528, 81.6679, 85.9437

60.3866, 81.6679, 64.2105

89.5926, 81.6679, 149.6353

Square

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

60.3866, 81.6679, 64.2105

68.4314, 81.6679, 153.9380

97.8616, 81.6679, 119.2783

87.6027, 81.6679, 45.4040

Rectangle

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

60.3866, 81.6679, 64.2105

59.8301, 81.6679, 114.4158

97.8616, 81.6679, 119.2783

98.6339, 81.6679, 67.5285

Sweetspot

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

60.3888, 81.6713, 64.2123

83.6800, 94.4392, 94.7831

72.2305, 88.1187, 49.2790

17.5937, 20.0589, 19.8850

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.

60.3888, 81.6713, 64.2123

57.2522, 81.5794, 59.0186

65.9225, 83.8848, 93.3527

17.2588, 19.4058, 19.5636

19.0480, 36.6322, 10.8622

1.8115, 3.4117, 1.2550

Inverse Universe

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

67.1031, 53.2974, 76.5660

65.1029, 48.3704, 73.4388

62.0557, 51.2785, 49.9866

17.7297, 17.4192, 20.4324

24.6181, 12.2630, 20.4951

2.3295, 1.1555, 2.1584

Previews

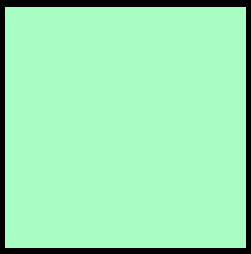
White Background

This preview shows how the XYZ color 60.3866, 81.6679, 64.2105 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



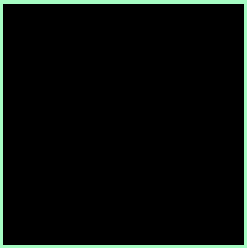
This preview shows how the XYZ color 60.3866, 81.6679, 64.2105 looks on a black background.

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 60.3866, 81.6679, 64.2105 Background



This preview shows how black text looks on a background with the XYZ color 60.3866, 81.6679, 64.2105.

This preview shows how white text looks on a background with the XYZ color 60.3866, 81.6679,

64.2105.

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
60.3866, 81.6679, 64.2105

Protanopia
75.9713, 80.9902, 57.5275

Deuteranopia
80.5928, 80.9516, 73.6649

Tritanopia
71.7158, 81.1423, 106.4899

Trichromacy

Original Color
60.3866, 81.6679, 64.2105

Protanomaly
68.9653, 80.3126, 60.0111

Deuteranomaly
71.5675, 80.1351, 70.0881

Tritanomaly
66.8258, 80.7749, 89.1598

Monochromacy

Original Color
60.3866, 81.6679, 64.2105

Achromatopsia
68.0267, 71.5694, 77.9390

Achromatomaly
64.4339, 74.6957, 72.6497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.3866, 81.6679, 64.2105 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(166, 252, 195) looks like.

```
.text, #text, p{
    color:rgb(166, 252, 195)
}
```

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(166, 252, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 252, 195) }
```

Border

The CSS property to change the border of an element to XYZ 60.3866, 81.6679, 64.2105 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(166, 252, 195) }
```

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

```
.border{ border-color:rgb(166, 252, 195) }
```

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

Here you see how a box with a 4 pixel rgb(166, 252, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 252, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 252, 195); box-shadow:4px 4px 4px 4px rgb(166, 252, 195) }
```

Background

The CSS property to change the background color of an element to XYZ 60.3866, 81.6679, 64.2105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(166, 252, 195) }
```

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

```
.background{ background-color:rgb(166,
252, 195) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor