Converting Colors

XYZ(66.3873, 86.5860, 46.0150)

Have a look what the booklet for XYZ(66.3873, 86.5860, 46.0150) contains.

Color

XYZ(66.3751, 86.5798, 46.0141)

Conversions

Conversions Part 1

Format	Color
Hex	CAFF9F
RGB	202, 255, 159
RGB Percent	79%, 100%, 62%
CMY	0.2078, 0.0000, 0.3765
CMYK	0.21, 0.00, 0.38, 0.00
HSL	93°, 100%, 81%
HSV	93°, 38%, 100%
XYZ	66.3751, 86.5798, 46.0141
YIQ	228.2090, -0.7720, -41.0920

Conversions

Conversions Part 2

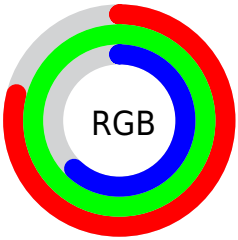
Format	Color
RYB	159, 255, 212
Decimal	13303711
CIELab	94.56, -32.95, 40.53
CIELCh	95, 52.237, 129.107
Yxy	86.5798, 0.3336, 0.4351
Android (android.graphics.Color)	4291493791 (0xFFCAFF9F)
YUV	228.2090, -34.1200, -22.9853
Hunter-Lab	93.0483, -35.5032, 35.8138

Details

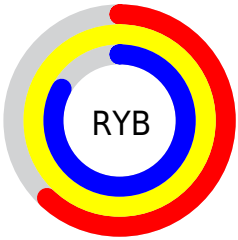
The XYZ color 66.3751, 86.5798, 46.0141 is a light color, and the websafe version is hex CCFF99. A complement of this color would be 57.6007, 46.0146, 100.4536, and the grayscale version is 74.1377, 77.9986, 84.9405.

A 20% lighter version of the original color is 89.2657, 97.6863, 78.4405, and 34.6497, 47.5398, 20.9855 is the 20% darker color. If you saturate the color by 10%, you get 60.7482, 83.9088, 35.3671, and if you desaturate by 10%, it is 72.8067, 89.6127, 59.0839.

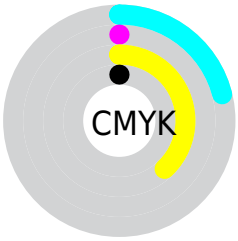
Distribution



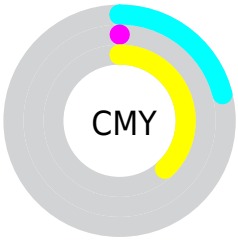
- Red (79%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (83%)



- Cyan (21%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3751, 86.5798, 46.0141 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 66.3751, 86.5798, 46.0141 by changing the saturation by 10% instead.

66.3751, 86.5798, 46.0141

66.3751, 86.5798, 46.0141

437.1847, 516.8411, 387.1446

48.8458, 65.1475, 31.9082

113.0793, 142.5783, 85.5746

34.7112, 47.5807, 21.0272

142.9849, 177.9133, 111.8663

23.6060, 33.4950, 12.9524

177.7466, 218.6514, 143.0570

15.1647, 22.5059, 7.2654

217.7298, 265.1769, 179.5652

9.0221, 14.2291, 3.5477

263.2999, 317.8742, 221.8096

4.8129, 8.2802, 1.3806

314.8221,

2.1715, 4.2747,

377.1278, 270.2086

372.6620, 443.3219, 325.1807

0.1266

0.7277, 1.8284, 0.0000

0.0000, 0.5048, 0.0000

66.3751, 86.5798, 46.0141

66.3751, 86.5798, 46.0141

60.7482, 83.9088, 35.3671

72.8067, 89.6127, 59.0839

55.8876, 81.5835, 26.9897

80.0768, 93.0223, 74.7092

51.7524, 79.5863, 20.7174

88.2182, 96.8225, 93.0176

48.2970, 77.8977, 16.3615

95.0500, 100.0000, 108.9000

45.4685, 76.4956, 13.7000

43.2004, 75.3518, 12.4398

42.7275, 75.1119, 12.2461

Harmonies

Analogous

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

78.0821, 86.5798, 36.5852

66.3751, 86.5798, 46.0141

59.5104, 86.5798, 69.2453

Triad

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

66.3751, 86.5798, 46.0141

73.0133, 86.5798, 186.7949

112.0078, 86.5798, 82.5280

Complementary

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

66.3751, 86.5798, 46.0141

57.6007, 46.0146, 100.4536

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.

110.2507, 86.5798, 124.6981

66.3751, 86.5798, 46.0141

86.6495, 86.5798, 193.3682

Square

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

66.3751, 86.5798, 46.0141

63.0284, 86.5798, 152.0932

100.5683, 86.5798, 168.1032

105.1267, 86.5798, 53.3484

Rectangle

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

66.3751, 86.5798, 46.0141

58.0909, 86.5798, 93.0683

100.5683, 86.5798, 168.1032

112.4232, 86.5798, 95.4834

Sweetspot

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

66.3754, 86.5799, 46.0154

85.3885, 95.5036, 86.5704

70.9921, 70.7509, 42.7167

18.0379, 20.3303, 17.9907

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.

66.3754, 86.5799, 46.0154

62.1610, 84.5813, 37.9573

56.7416, 81.5644, 47.7815

18.5440, 20.5664, 19.1367

22.4920, 39.3331, 6.4066

2.3135, 3.8934, 0.6296

Inverse Universe

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

57.6007, 46.0146, 100.4536

52.2578, 38.8307, 99.3485

70.9253, 52.9719, 97.0935

17.9619, 17.8721, 22.7529

15.3266, 6.8116, 49.9416

1.6181, 0.7281, 4.8685

Previews

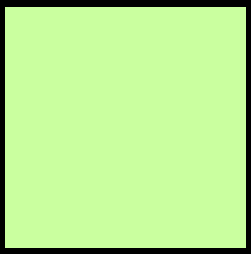
White Background

This preview shows how the XYZ color 66.3751, 86.5798, 46.0141 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



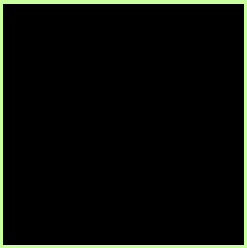
This preview shows how the XYZ color 66.3751, 86.5798, 46.0141 looks on a black background.

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 66.3751, 86.5798, 46.0141 Background



This preview shows how black text looks on a background with the XYZ color 66.3751, 86.5798, 46.0141.

This preview shows how white text looks on a background with the XYZ color 66.3751, 86.5798,

46.0141.

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
66.3751, 86.5798, 46.0141

Protanopia
80.0423, 86.1673, 54.0082

Deuteranopia
83.6032, 85.7386, 78.4725

Tritanopia
80.2458, 85.9779, 106.9737

Trichromacy

Original Color
66.3751, 86.5798, 46.0141

Protanomaly
74.5002, 86.0400, 50.7110

Deuteranomaly
76.4222, 85.3683, 65.2732

Tritanomaly
74.1929, 85.6778, 80.3372

Monochromacy

Original Color
66.3751, 86.5798, 46.0141

Achromatopsia
73.7419, 77.5822, 84.4870

Achromatomaly
70.5674, 80.5209, 68.3227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3751, 86.5798, 46.0141 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, 255, 159) looks like.

```
.text, #text, p{
    color:rgb(202, 255, 159)
}
```

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, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 159) }
```

Border

The CSS property to change the border of an element to XYZ 66.3751, 86.5798, 46.0141 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, 255, 159) }
```

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

```
.border{ border-color:rgb(202, 255, 159) }
```

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

Here you see how a box with a 4 pixel rgb(202, 255, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 255, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 255, 159); box-shadow:4px 4px 4px 4px rgb(202, 255, 159) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3751, 86.5798, 46.0141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(202, 255, 159) }
```

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

```
.background{ background-color:rgb(202,
255, 159) }
```

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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