Converting Colors

XYZ(68.0250, 66.9405, 106.4667)

Have a look what the booklet for XYZ(68.0250, 66.9405, 106.4667) contains.

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Color

XYZ(67.4288, 66.5226, 103.8940)

Conversions

Conversions Part 1

Format	Color
Hex	D2D1FF
RGB	210, 209, 255
RGB Percent	82%, 82%, 100%
CMY	0.1765, 0.1804, 0.0000
CMYK	0.18, 0.18, 0.00, 0.00
HSL	241°, 100%, 91%
HSV	241°, 18%, 100%
XYZ	67.4288, 66.5226, 103.8940
YIQ	214.5430, -14.1700, 14.5180

Conversions

Conversions Part 2

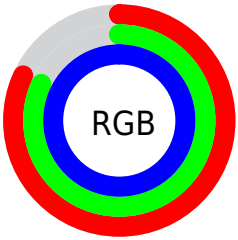
Format	Color
RYB	210, 209, 255
Decimal	13816319
CIELab	85.26, 9.46, -22.31
CIELCh	85, 24.230, 292.982
Yxy	66.5226, 0.2835, 0.2797
Android (android.graphics.Color)	4292006399 (0xFFD2D1FF)
YUV	214.5430, 19.9453, -3.9842
Hunter-Lab	81.5614, 4.8379, -18.4314

Details

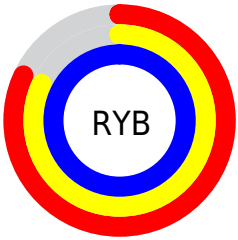
The XYZ color 67.4288, 66.5226, 103.8940 is a light color, and the websafe version is hex CCCCFF. A complement of this color would be 88.1431, 97.1949, 74.4395, and the grayscale version is 64.1606, 67.5019, 73.5096.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 35.4320, 34.4885, 58.2156 is the 20% darker color. If you saturate the color by 10%, you get 55.1088, 51.6168, 101.6662, and if you desaturate by 10%, it is 81.8609, 84.0070, 106.5082.

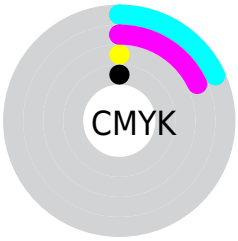
Distribution



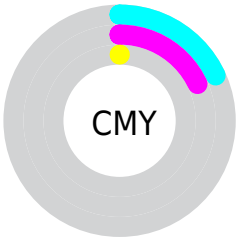
- Red (82%)
- Green (82%)
- Blue (100%)



- Red (82%)
- Yellow (82%)
- Blue (100%)



- Cyan (18%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4288, 66.5226, 103.8940 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 67.4288, 66.5226, 103.8940 by changing the saturation by 10% instead.

67.4288, 66.5226, 103.8940

440.8781, 448.2436, 593.9593

114.5810, 114.2361, 168.5966

144.7403, 144.8925, 209.1639

179.7756, 180.5946, 255.7665

220.0521, 221.7267, 308.8231

265.9352, 268.6733, 368.7521

317.7904,

67.4288, 66.5226, 103.8940

49.7052, 48.6968, 78.9216

35.3960, 34.3790, 58.3104

24.1360, 23.1849, 41.6419

15.5598, 14.7301, 28.4975

9.3021, 8.6302, 18.4587

4.9974, 4.5008, 11.1070

2.2805, 1.9574,

321.8187, 435.9721

375.9829, 381.5473, 510.9017

6.0238

0.7847, 0.5826, 2.7905

0.0000, 0.0000, 0.9887

67.4288, 66.5226, 103.8940

55.1088, 51.6168, 101.6662

44.7966, 39.1601, 99.8054

36.3876, 29.0241, 98.2921

29.7654, 21.0652, 97.1049

67.4288, 66.5226, 103.8940

81.8609, 84.0070, 106.5082

95.0500, 100.0000, 108.9000

24.8008, 15.1240, 96.2198

21.3474, 11.0195, 95.6096

19.2331, 8.5382, 95.2421

18.2349, 7.3959, 95.0742

18.1192, 7.2557, 95.0532

Harmonies

Analogous

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

61.9498, 66.5226, 106.6754

67.4288, 66.5226, 103.8940

72.0136, 66.5226, 92.1481

Triad

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

67.4288, 66.5226, 103.8940

69.7819, 66.5226, 50.9226

53.3418, 66.5226, 68.8091

Complementary

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

67.4288, 66.5226, 103.8940

88.1431, 97.1949, 74.4395

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.

55.1872, 66.5226, 55.7498

67.4288, 66.5226, 103.8940

64.5231, 66.5226, 46.4340

Square

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

67.4288, 66.5226, 103.8940

73.4259, 66.5226, 61.2838

59.2049, 66.5226, 48.0643

54.0204, 66.5226, 84.8558

Rectangle

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

67.4288, 66.5226, 103.8940

73.8406, 66.5226, 81.6216

59.2049, 66.5226, 48.0643

53.6838, 66.5226, 63.9591

Sweetspot

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

67.4307, 66.5252, 103.8944

86.6756, 89.8437, 107.3810

79.8618, 91.8079, 108.1193

18.3098, 18.9365, 22.9400

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.

67.4307, 66.5252, 103.8944

62.3011, 60.3163, 102.9663

74.3805, 70.1080, 104.2197

17.0394, 17.3965, 22.7097

9.4834, 3.7994, 49.6681

0.9356, 0.3762, 4.8366

Inverse Universe

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

81.9314, 74.0191, 103.7367

79.4951, 69.2027, 102.7515

80.3004, 93.1519, 74.0725

18.7747, 18.2932, 22.6965

30.5293, 14.7010, 48.2991

2.9777, 1.4335, 4.7302

Previews

White Background

This preview shows how the XYZ color 67.4288, 66.5226, 103.8940 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

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 67.4288, 66.5226, 103.8940

Background

This preview shows how black text looks on a background with the XYZ color 67.4288, 66.5226, 103.8940.

This preview shows how white text looks on a background with the XYZ color 67.4288, 66.5226,

103.8940.

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
67.4288, 66.5226, 103.8940

Protanopia
65.9729, 66.5050, 103.9674

Deuteranopia
68.0464, 66.4779, 103.8528

Tritanopia
63.5308, 66.4235, 84.3355

Trichromacy

Original Color
67.4288, 66.5226, 103.8940

Protanomaly
66.5502, 66.4350, 103.9234

Deuteranomaly
67.7573, 66.3288, 103.8393

Tritanomaly
64.8556, 66.5844, 91.0952

Monochromacy

Original Color
67.4288, 66.5226, 103.8940

Achromatopsia
64.5905, 67.9542, 74.0022

Achromatomaly
65.5177, 67.4478, 84.4285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4288, 66.5226, 103.8940 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(210, 209, 255) looks like.

```
.text, #text, p{
    color:rgb(210, 209, 255)
}
```

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(210, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 209, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.4288, 66.5226, 103.8940 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(210, 209, 255) }
```

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

```
.border{ border-color:rgb(210, 209, 255) }
```

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

Here you see how a box with a 4 pixel rgb(210, 209, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(210, 209, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(210, 209, 255); box-shadow:4px 4px 4px 4px rgb(210, 209, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4288, 66.5226, 103.8940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(210, 209, 255) }
```

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

```
.background{ background-color:rgb(210, 209, 255) }
```

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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