

Converting Colors

XYZ(50.2939, 46.7487, 96.7336)

Have a look what the booklet for
XYZ(50.2939, 46.7487, 96.7336)
contains.

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Color

**XYZ(50.2645, 46.6760,
96.8026)**

Conversions

Conversions Part 1

Format	Color
Hex	AFAFFA
RGB	175, 175, 250
RGB Percent	69%, 69%, 98%
CMY	0.3137, 0.3137, 0.0196
CMYK	0.30, 0.30, 0.00, 0.02
HSL	240°, 88%, 83%
HSV	240°, 30%, 98%
XYZ	50.2645, 46.6760, 96.8026
YIQ	183.5500, -24.0750, 23.3250

Conversions

Conversions Part 2

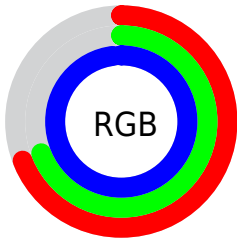
Format	Color
R _Y B	175, 175, 250
Decimal	11513850
CIE Lab	73.98, 16.48, -37.17
CIE LCh	74, 40.661, 293.916
Yxy	46.6760, 0.2594, 0.2409
Android (android.graphics.Color)	4289703930 (0xFFFAFFFA)
YUV	183.5500, 32.7599, -7.4983
Hunter-Lab	68.3198, 11.7669, -36.1843

Details

The XYZ color **50.2645, 46.6760, 96.8026** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **81.3487, 91.7912, 53.9891**, and the grayscale version is **45.1481, 47.4993, 51.7268**.

A 20% lighter version of the original color is **79.6255, 80.9694, 106.0397**, and **24.4543, 22.0092, 53.4114** is the 20% darker color. If you saturate the color by 10%, you get **40.7407, 35.2003, 95.0903**, and if you desaturate by 10%, it is **61.7309, 60.4922, 98.8659**.

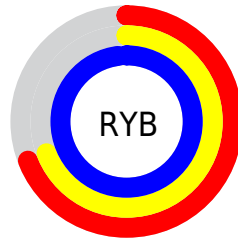
Distribution



Red (69%)

Green (69%)

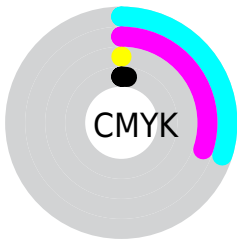
Blue (98%)



Red (69%)

Yellow (69%)

Blue (98%)

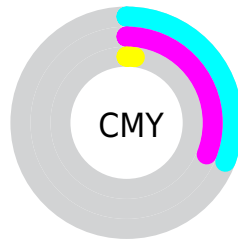


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (2%)



Cyan (31%)

Magenta (31%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2645, 46.6760, 96.8026 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 50.2645, 46.6760, 96.8026 by changing the saturation by 10% instead.

■ 50.2645, 46.6760,
96.8026

■ 50.2645, 46.6760,
96.8026

378.1343,
373.5198, 571.0509

■ 35.8423, 32.7796,
73.0310

■ 89.7561, 85.2298,
158.7696

■ 24.4819, 21.9577,
53.5094

115.5562,
110.6560, 197.8020

■ 15.8182, 13.8258,
37.8190

145.8797,
140.6942, 242.7586

■ 9.4856, 7.9996,
25.5415

181.0918,
175.7288, 294.0577

■ 5.1189, 4.0947,
16.2583

221.5580,
216.1443, 352.1180

■ 2.3527, 1.7267,
9.5508

267.6435,

■ 0.8214, 0.4408,

262.3251, 417.3579

5.0005

319.7139,
314.6554, 490.1960

■ 0.0000, 0.0000,
2.1888

■ 0.0000, 0.0000,
0.6679

■ 50.2645, 46.6760,
96.8026

■ 50.2645, 46.6760,
96.8026

■ 40.7407, 35.2003,
95.0903

■ 61.7309, 60.4922,
98.8659

■ 33.0475, 25.9305,
93.7066

■ 75.2341, 76.7627,
101.2947

■ 27.0689, 18.7266,
92.6312

■ 90.8679, 95.6003,
104.1067

■ 22.6737, 13.4307,
91.8406

■ 94.2555, 99.6822,
104.7161

■ 19.7118, 9.8618,
91.3079

■ 18.0042, 7.8043,
91.0007

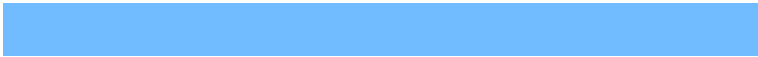
■ 17.2555, 6.9023,
90.8661

■ 17.2555, 6.9022,
90.8661

Harmonies

Analogous

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



42.9017, 46.6760, 101.8129



50.2645, 46.6760, 96.8026



56.6227, 46.6760, 78.1776

Triad

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



50.2645, 46.6760, 96.8026



53.0999, 46.6760, 24.8853



31.8858, 46.6760, 46.7036

Complementary

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



50.2645, 46.6760, 96.8026



81.3487, 91.7912, 53.9891

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.



34.0163, 46.6760, 30.7329



50.2645, 46.6760, 96.8026



45.8594, 46.6760, 20.5430

Square

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



50.2645, 46.6760, 96.8026



58.3806, 46.6760, 36.2826



38.9446, 46.6760, 22.3459



32.7925, 46.6760, 68.8044

Rectangle

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



50.2645, 46.6760, 96.8026



59.1669, 46.6760, 62.7163



38.9446, 46.6760, 22.3459



32.2625, 46.6760, 40.5359

Sweetspot

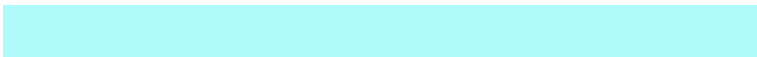
The Sweet Spot groups the original color and five complimentary colors.



50.2661, 46.6778, 96.8037



80.2157, 82.1256, 106.2317



69.1213, 84.3884, 103.0888



16.6930, 17.0042, 22.6523



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.



50.2661, 46.6778, 96.8037



46.3280, 41.2932, 100.1364



59.8825, 51.6352, 97.2537



16.2831, 16.6431, 21.7395



9.1528, 3.6611, 48.1978



0.8477, 0.3391, 4.4639

Inverse Universe

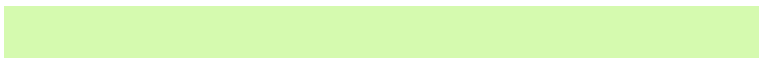
The Inverse Universe completely reimagines the original color for something new.



72.0107, 57.8876, 97.8211



72.4227, 54.7454, 101.3573



69.2205, 85.5389, 53.4215



17.9931, 17.5246, 21.8195



30.0646, 14.4416, 49.1761



2.7845, 1.3375, 4.5546

Previews

White Background



This preview shows how the XYZ color 50.2645, 46.6760, 96.8026 looks on a white background.

Color Contrast Check

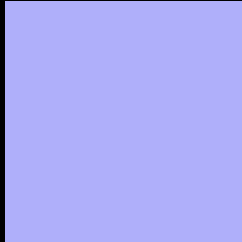
Large Text (above 18pt) WCAG AA × Fail

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 50.2645, 46.6760, 96.8026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

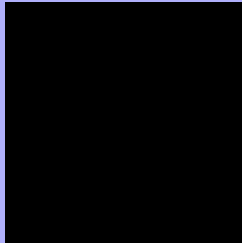
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2645, 46.6760, 96.8026

Background



This preview shows how black text looks on a background with the XYZ color 50.2645, 46.6760, 96.8026.



This preview shows how white text looks on a background with the XYZ color 50.2645, 46.6760,

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

50.2645, 46.6760, 96.8026

Protanopia

48.1478, 46.7030, 99.4054

Deuteranopia

47.9169, 46.6568, 96.1027



Tritanopia

42.9676, 46.7140, 60.7849

Trichromacy



Original Color

50.2645, 46.6760, 96.8026

Protanomaly

49.0081, 46.8684, 98.5590

Deuteranomaly

48.7452, 46.7873, 96.0842

Tritanomaly

45.3272, 46.4345, 72.9034

Monochromacy



Original Color

50.2645, 46.6760, 96.8026

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.9651, 47.4256, 66.3532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2645, 46.6760, 96.8026 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(175, 175, 250)` looks like.

```
.text, #text, p{  
    color:rgb(175, 175, 250)  
}
```

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(175, 175, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 175, 250) }
```

Border

The CSS property to change the border of an element to XYZ 50.2645, 46.6760, 96.8026 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(175, 175, 250) }
```


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

```
.border{ border-color:rgb(175, 175, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 175, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 175, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 175, 250);  
box-shadow:4px 4px 4px 4px rgb(175, 175,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2645, 46.6760, 96.8026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 175, 250) }
```

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

```
.background{ background-color: rgb(175,  
175, 250) }
```

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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