

Converting Colors

XYZ(50.1796, 50.6109, 88.1763)

Have a look what the booklet for
XYZ(50.1796, 50.6109, 88.1763)
contains.

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Color

**XYZ(49.9975, 50.3716,
87.9765)**

Conversions

Conversions Part 1

Format	Color
Hex	ABBBEE
RGB	171, 187, 238
RGB Percent	67%, 73%, 93%
CMY	0.3294, 0.2667, 0.0667
CMYK	0.28, 0.21, 0.00, 0.07
HSL	226°, 66%, 80%
HSV	226°, 28%, 93%
XYZ	49.9975, 50.3716, 87.9765
YIQ	188.0300, -25.9070, 12.4690

Conversions

Conversions Part 2

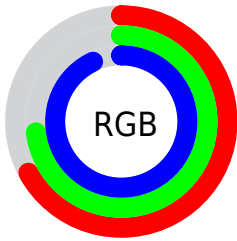
Format	Color
R_{YB}	171, 184, 238
Decimal	11254766
CIE Lab	76.30, 5.79, -27.15
CIE LCh	76, 27.758, 282.039
Yxy	50.3716, 0.2655, 0.2674
Android (android.graphics.Color)	4289444846 (0xFFABBEE)
YUV	188.0300, 24.6352, -14.9353
Hunter-Lab	70.9730, 1.5432, -23.8135

Details

The XYZ color **49.9975, 50.3716, 87.9765** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **68.7327, 73.3605, 49.0670**, and the grayscale version is **47.6934, 50.1771, 54.6429**.

A 20% lighter version of the original color is **81.7791, 87.6521, 107.2161**, and **24.3047, 24.2095, 47.6479** is the 20% darker color. If you saturate the color by 10%, you get **41.6689, 40.7291, 86.5551**, and if you desaturate by 10%, it is **59.7476, 61.4690, 89.6055**.

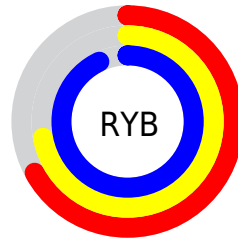
Distribution



Red (67%)

Green (73%)

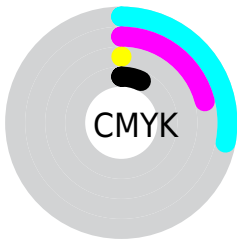
Blue (93%)



Red (67%)

Yellow (72%)

Blue (93%)

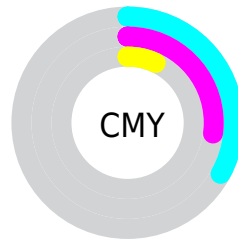


Cyan (28%)

Magenta (21%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (27%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9975, 50.3716, 87.9765 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 49.9975, 50.3716, 87.9765 by changing the saturation by 10% instead.

■ 49.9975, 50.3716,
87.9765

■ 49.9975, 50.3716,
87.9765

377.1083,
388.1174, 541.8256

■ 35.6292, 35.7087,
65.7394

■ 89.3630, 90.7252,
146.4353

■ 24.3167, 24.2093,
47.6057

115.0909,
117.1848, 183.4940

■ 15.6948, 15.4890,
33.1570

145.3361,
148.3453, 226.3304

■ 9.3979, 9.1633,
21.9746

180.4639,
184.5913, 275.3630

■ 5.0608, 4.8478,
13.6401

220.8397,
226.3071, 331.0102

■ 2.3181, 2.1583,
7.7349

266.8288,

■ 0.8039, 0.6971,

273.8771, 393.6907

3.8405

318.7965,
327.6857, 463.8230

■ 0.0000, 0.0000,
1.5382

■ 0.0000, 0.0000,
0.2462

■ 49.9975, 50.3716,
87.9765

■ 49.9975, 50.3716,
87.9765

■ 41.6689, 40.7291,
86.5551

■ 59.7476, 61.4690,
89.6055

■ 34.6888, 32.4736,
85.3296

■ 70.9777, 74.0732,
91.4465

■ 28.9849, 25.5407,
84.2920

■ 83.7489, 88.2410,
93.5080

■ 24.4759, 19.8582,
83.4328

■ 92.4328, 98.9531,
95.1180

■ 21.0707, 15.3464,
82.7414

■ 18.6635, 11.9154,
82.2060

■ 17.1138, 9.4533,
81.8125

■ 16.8880, 9.0836,
81.7530

Harmonies

Analogous

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



44.8524, 50.3716, 86.9290



49.9975, 50.3716, 87.9765



54.9059, 50.3716, 79.0426

Triad

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



49.9975, 50.3716, 87.9765



55.7119, 50.3716, 37.7846



38.9623, 50.3716, 46.4631

Complementary

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



49.9975, 50.3716, 87.9765



68.7327, 73.3605, 49.0670

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.



41.4746, 50.3716, 36.1725



49.9975, 50.3716, 87.9765



51.0340, 50.3716, 31.8237

Square

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



49.9975, 50.3716, 87.9765



58.3618, 50.3716, 49.0750



45.8167, 50.3716, 31.2928



38.7292, 50.3716, 61.0528

Rectangle

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



49.9975, 50.3716, 87.9765



57.2850, 50.3716, 69.4337



45.8167, 50.3716, 31.2928



39.5594, 50.3716, 42.4597

Sweetspot

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



49.9991, 50.3736, 87.9777



83.1839, 86.8239, 106.9822



60.4548, 75.0419, 79.8807



17.3552, 18.0819, 22.8254



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.



49.9991, 50.3736, 87.9777



52.4613, 51.9756, 101.8750



50.6744, 45.9600, 87.0902



15.2037, 15.8416, 19.9780



9.5049, 5.2340, 45.6372



0.8653, 0.5846, 3.8215

Inverse Universe

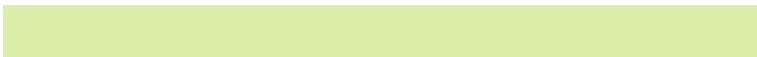
The Inverse Universe completely reimagines the original color for something new.



58.7938, 50.8923, 53.7402



64.4840, 53.0505, 54.9886



67.8213, 79.5018, 50.3004



15.9275, 15.8207, 17.1746



20.1232, 10.3217, 3.2996



1.7117, 0.8737, 0.4728

Previews

White Background



This preview shows how the XYZ color 49.9975, 50.3716, 87.9765 looks on a white background.

Color Contrast Check

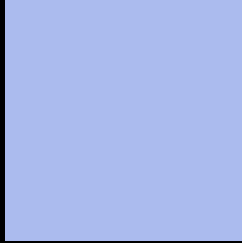
Large Text (above 18pt) WCAG AA × Fail

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 49.9975, 50.3716, 87.9765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

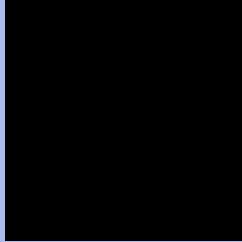
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9975, 50.3716, 87.9765

Background



This preview shows how black text looks on a background with the XYZ color 49.9975, 50.3716, 87.9765.



This preview shows how white text looks on a background with the XYZ color 49.9975, 50.3716,

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

49.9975, 50.3716, 87.9765

Protanopia

50.5242, 50.3462, 87.1756

Deuteranopia

51.5429, 50.2163, 88.6375



Tritanopia

45.7519, 50.2527, 66.9629

Trichromacy



Original Color

49.9975, 50.3716, 87.9765

Protanomaly

50.3005, 50.2309, 87.1652

Deuteranomaly

51.0604, 50.2770, 88.6746

Tritanomaly

47.1360, 50.1569, 74.2147

Monochromacy



Original Color

49.9975, 50.3716, 87.9765

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.4152, 50.3678, 65.5627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9975, 50.3716, 87.9765 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(171, 187, 238)` looks like.

```
.text, #text, p{  
    color:rgb(171, 187, 238)  
}
```

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(171, 187, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 187, 238) }
```

Border

The CSS property to change the border of an element to XYZ 49.9975, 50.3716, 87.9765 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(171, 187, 238) }
```


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

```
.border{ border-color:rgb(171, 187, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 187, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 187, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 187, 238);  
box-shadow:4px 4px 4px 4px rgb(171, 187,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9975, 50.3716, 87.9765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 187, 238) }
```

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

```
.background{ background-color: rgb(171,  
187, 238) }
```

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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