

Converting Colors

XYZ(46.1550, 49.8491, 89.4661)

Have a look what the booklet for
XYZ(46.1550, 49.8491, 89.4661)
contains.

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Color

**XYZ(46.2549, 50.0103,
89.6531)**

Conversions

Conversions Part 1

Format	Color
Hex	91C0F0
RGB	145, 192, 240
RGB Percent	57%, 75%, 94%
CMY	0.4314, 0.2470, 0.0588
CMYK	0.40, 0.20, 0.00, 0.06
HSL	210°, 76%, 75%
HSV	210°, 40%, 94%
XYZ	46.2549, 50.0103, 89.6531
YIQ	183.4190, -43.4200, 4.9640

Conversions

Conversions Part 2

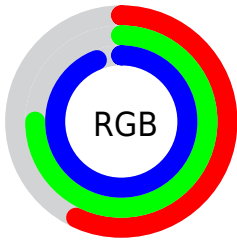
Format	Color
RYB	145, 176, 240
Decimal	9552112
CIELab	76.08, -3.59, -28.70
CIELCh	76, 28.928, 262.871
Yxy	50.0103, 0.2488, 0.2690
Android (android.graphics.Color)	4287742192 (0xFF91C0F0)
YUV	183.4190, 27.8944, -33.6935
Hunter-Lab	70.7180, -7.0039, -25.6627

Details

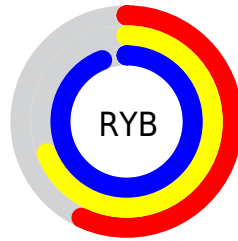
The XYZ color **46.2549, 50.0103, 89.6531** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.1172, 58.7108, 34.9537**, and the grayscale version is **45.1098, 47.4590, 51.6829**.

A 20% lighter version of the original color is **75.9745, 86.9114, 107.3790**, and **22.1008, 24.0996, 48.8342** is the 20% darker color. If you saturate the color by 10%, you get **39.9106, 42.9495, 88.6255**, and if you desaturate by 10%, it is **53.7152, 57.9742, 90.7980**.

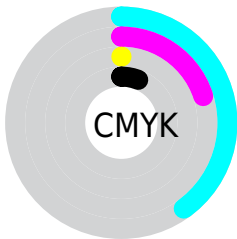
Distribution



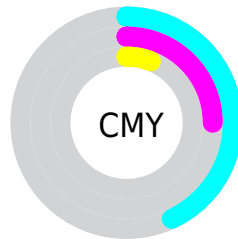
- Red (57%)
- Green (75%)
- Blue (94%)



- Red (57%)
- Yellow (69%)
- Blue (94%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)
- Black (6%)



- Cyan (43%)
- Magenta (25%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2549, 50.0103, 89.6531 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 46.2549, 50.0103, 89.6531 by changing the saturation by 10% instead.

■ 46.2549, 50.0103,
89.6531

■ 46.2549, 50.0103,
89.6531

362.5313,
386.7062, 547.4427

■ 32.6525, 35.4216,
67.1209

■ 83.8259, 90.1901,
148.7877

■ 22.0183, 23.9878,
48.7206

■ 108.5252,
116.5500, 186.2272

■ 13.9870, 15.3246,
34.0339

137.6541,
147.6025, 229.4729

■ 8.1933, 9.0475,
22.6421

171.5781,
183.7318, 278.9433

■ 4.2717, 4.7722,
14.1266

210.6624,
225.3225, 335.0569

■ 1.8570, 2.1142,
8.0690

255.2725,

■ 0.5516, 0.6726,

272.7588, 398.2323

4.0507

305.7737,
326.4253, 468.8881

■ 0.0000, 0.0000,
1.6532

■ 0.0000, 0.0000,
0.3284

■ 46.2549, 50.0103,
89.6531

■ 46.2549, 50.0103,
89.6531

■ 39.9106, 42.9495,
88.6255

■ 53.7152, 57.9742,
90.7980

■ 34.6152, 36.7463,
87.7073

■ 62.3433, 66.8723,
92.0607

■ 30.3019, 31.3591,
86.8948

■ 72.1936, 76.7410,
93.4464

■ 26.8926, 26.7393,
86.1827

■ 83.3156, 87.6128,
94.9587

■ 24.2957, 22.8308,
85.5652

■ 91.9783, 97.5713,
96.4243

■ 22.3670, 19.5501,
85.0336

■ 92.7283, 99.0713,
96.6743

■ 22.2941, 19.4229,
85.0129

Harmonies

Analogous

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



41.5312, 50.0103, 81.8008



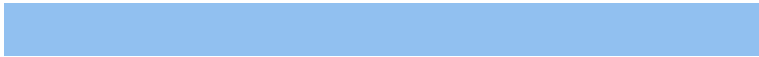
46.2549, 50.0103, 89.6531



51.6885, 50.0103, 86.7431

Triad

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



46.2549, 50.0103, 89.6531



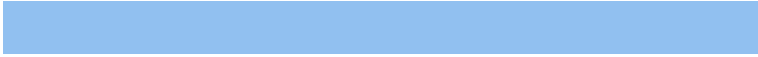
57.7678, 50.0103, 43.6835



39.7186, 50.0103, 38.3883

Complementary

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



46.2549, 50.0103, 89.6531



60.1172, 58.7108, 34.9537

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.



43.6070, 50.0103, 31.3724



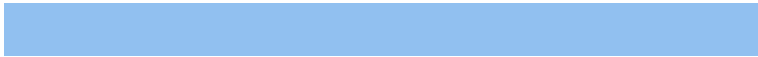
46.2549, 50.0103, 89.6531



54.0874, 50.0103, 34.0007

Square

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



46.2549, 50.0103, 89.6531



58.6109, 50.0103, 58.2314



48.8350, 50.0103, 29.9340



37.9476, 50.0103, 50.8411

Rectangle

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



46.2549, 50.0103, 89.6531



54.9613, 50.0103, 79.3126



48.8350, 50.0103, 29.9340



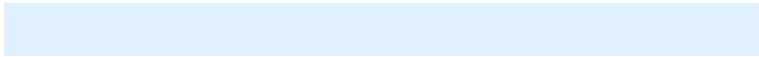
40.8066, 50.0103, 35.4200

Sweetspot

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



46.2565, 50.0122, 89.6543



79.9392, 85.1804, 106.8360



52.4085, 72.1691, 61.3295



16.7856, 17.9085, 22.8219



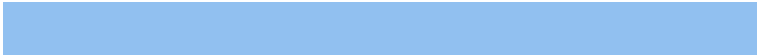
0.0000, 0.0000, 0.0000



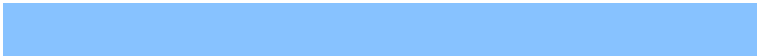
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.2565, 50.0122, 89.6543



47.4568, 51.1653, 101.9824



37.5322, 32.5636, 86.7462



15.5432, 16.5204, 20.0912



12.3368, 10.8979, 46.5812



1.1257, 1.1054, 3.9083

Inverse Universe

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



55.5764, 42.5835, 55.1613



59.7126, 42.5449, 56.3661



72.2071, 82.8908, 38.9836



16.0988, 15.8893, 18.0768



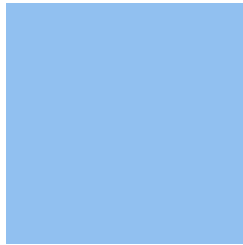
21.5527, 10.8935, 10.8269



1.8432, 0.9263, 1.1650

Previews

White Background



This preview shows how the XYZ color 46.2549, 50.0103, 89.6531 looks on a white background.

Color Contrast Check

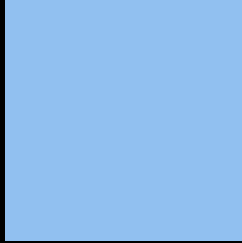
Large Text (above 18pt) WCAG AA × Fail

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 46.2549, 50.0103, 89.6531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

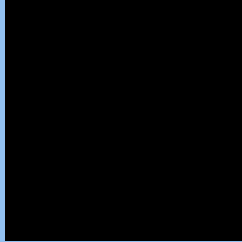
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

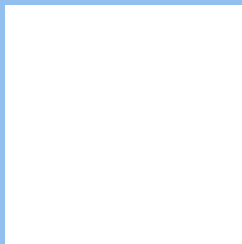
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2549, 50.0103, 89.6531

Background



This preview shows how black text looks on a background with the XYZ color 46.2549, 50.0103, 89.6531.



This preview shows how white text looks on a background with the XYZ color 46.2549, 50.0103,

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

46.2549, 50.0103, 89.6531

Protanopia

50.0236, 49.8100, 85.5750

Deuteranopia

51.0720, 49.9219, 90.9485



Tritanopia

42.4577, 50.1399, 70.3910

Trichromacy



Original Color

46.2549, 50.0103, 89.6531

Protanomaly

48.5791, 49.9734, 87.2062

Deuteranomaly

49.1646, 49.8909, 90.2577

Tritanomaly

43.8189, 50.0206, 77.1575

Monochromacy



Original Color

46.2549, 50.0103, 89.6531

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.8202, 47.9125, 64.0125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2549, 50.0103, 89.6531 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(145, 192, 240)` looks like.

```
.text, #text, p{  
    color:rgb(145, 192, 240)  
}
```

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(145, 192, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 192, 240) }
```

Border

The CSS property to change the border of an element to XYZ 46.2549, 50.0103, 89.6531 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(145, 192, 240) }
```


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

```
.border{ border-color:rgb(145, 192, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 192, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 192, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 192, 240);  
box-shadow:4px 4px 4px 4px rgb(145, 192,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2549, 50.0103, 89.6531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 192, 240) }
```

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

```
.background{ background-color: rgb(145,  
192, 240) }
```

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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