

Converting Colors

XYZ(48.0387, 60.7160,
113.0351)

Have a look what the booklet for
XYZ(48.0387, 60.7160, 113.0351)
contains.

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Color

**XYZ(46.3607, 60.1981,
103.7837)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 45DDFF |
| RGB | 69, 221, 255 |
| RGB Percent | 27%, 87%, 100% |
| CMY | 0.7294, 0.1333, 0.0000 |
| CMYK | 0.73, 0.13, 0.00, 0.00 |
| HSL | 191°, 100%, 64% |
| HSV | 191°, 73%, 100% |
| XYZ | 46.3607, 60.1981, 103.7837 |
| YIQ | 179.4280, -101.5060, -21.6500 |

Conversions

Conversions Part 2

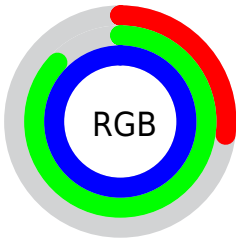
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 69, 153, 255 |
| Decimal | 4578815 |
| CIE _{Lab} | 81.95, -28.59, -27.96 |
| CIE _{LCh} | 82, 39.989, 224.354 |
| Yxy | 60.1981, 0.2204, 0.2862 |
| Android (android.graphics.Color) | 4282768895 (0xFF45DDFF) |
| YUV | 179.4280, 37.2570, -96.8454 |
| Hunter-Lab | 77.5874, -29.1192, -24.9972 |

Details

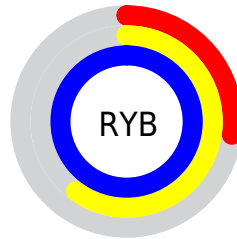
The XYZ color **46.3607, 60.1981, 103.7837** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.1659, 31.3924, 9.2058**, and the grayscale version is **42.9249, 45.1603, 49.1796**.

A 20% lighter version of the original color is **64.7945, 84.4027, 107.4841**, and **23.8293, 31.3497, 58.2212** is the 20% darker color. If you saturate the color by 10%, you get **43.7114, 57.0318, 103.3121**, and if you desaturate by 10%, it is **49.8240, 63.8372, 104.3035**.

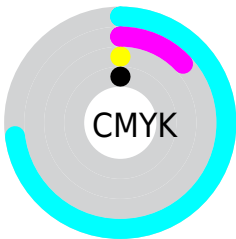
Distribution



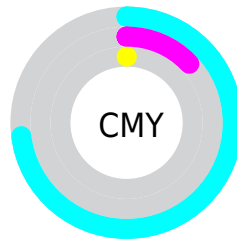
- Red (27%)
- Green (87%)
- Blue (100%)



- Red (27%)
- Yellow (60%)
- Blue (100%)



- Cyan (73%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (73%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3607, 60.1981, 103.7837 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 46.3607, 60.1981, 103.7837 by changing the saturation by 10% instead.

46.3607, 60.1981,
103.7837

46.3607, 60.1981,
103.7837

362.9486,
425.3276, 593.6066

32.7364, 43.5783,
78.8298

83.9831, 105.1170,
168.4443

22.0828, 30.3391,
58.2354

108.7119,
134.1849, 208.9880

14.0347, 20.0962,
41.5820

137.8729,
168.1710, 255.5654

8.2267, 12.4650,
28.4510

171.8315,
207.4596, 308.5950

4.2934, 7.0612,
18.4239

210.9530,
252.4352, 368.4954

1.8694, 3.5004,
11.0822

255.6028,

0.5590, 1.3982,

303.4821, 435.6851

6.0073

306.1462,
360.9848, 510.5827

■ 0.0000, 0.2154,
2.7806

■ 0.0000, 0.0000,
0.9837

■ 46.3607, 60.1981,
103.7837

■ 46.3607, 60.1981,
103.7837

■ 43.7114, 57.0318,
103.3121

■ 49.8240, 63.8372,
104.3035

■ 41.7634, 54.2762,
102.8829

■ 54.1850, 67.9890,
104.8751

■ 40.7006, 52.5211,
102.6002

■ 59.5222, 72.6955,
105.5022

■ 65.9040, 77.9925,
106.1883

73.3925, 83.9122,
106.9362

82.0448, 90.4847,
107.7488

91.9140, 97.7376,
108.6286

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



42.8666, 60.1981, 77.7803



46.3607, 60.1981, 103.7837



52.9428, 60.1981, 121.3848

Triad

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



46.3607, 60.1981, 103.7837



74.3440, 60.1981, 78.9221



53.2796, 60.1981, 29.9930

Complementary

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



46.3607, 60.1981, 103.7837



47.1659, 31.3924, 9.2058

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.



61.7142, 60.1981, 30.1546



46.3607, 60.1981, 103.7837



74.4570, 60.1981, 54.6661

Square

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



46.3607, 60.1981, 103.7837



69.3520, 60.1981, 104.7952



69.6470, 60.1981, 38.0849



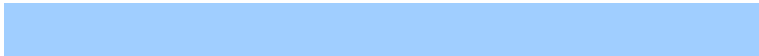
46.5863, 60.1981, 37.5705

Rectangle

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



46.3607, 60.1981, 103.7837



58.4598, 60.1981, 123.7997



69.6470, 60.1981, 38.0849



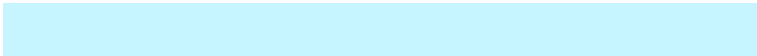
55.9909, 60.1981, 29.2164

Sweetspot

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



46.3624, 60.2002, 103.7840



74.1521, 84.4993, 107.0095



40.5160, 73.7060, 24.1507



15.4065, 17.7256, 22.8593



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.



46.3624, 60.2002, 103.7840



42.6449, 55.5888, 103.0898



28.6227, 24.7207, 97.8707



18.2559, 19.8834, 23.1256



21.3689, 27.6473, 53.6448



2.1506, 2.8320, 5.2465

Inverse Universe

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



56.4205, 30.7385, 71.3682



53.8548, 27.0733, 65.9930



61.3855, 59.8317, 13.9457



18.6418, 18.2400, 21.9970



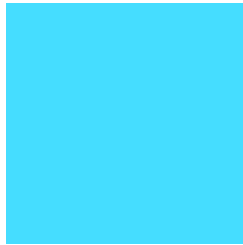
27.5742, 13.5190, 32.7379



2.7202, 1.3304, 3.3737

Previews

White Background



This preview shows how the XYZ color 46.3607, 60.1981, 103.7837 looks on a white background.

Color Contrast Check

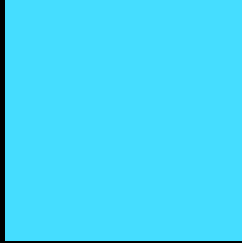
Large Text (above 18pt) WCAG AA × Fail

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 46.3607, 60.1981, 103.7837 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 46.3607, 60.1981, 103.7837

Background



This preview shows how black text looks on a background with the XYZ color 46.3607, 60.1981, 103.7837.

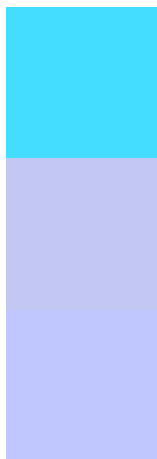


This preview shows how white text looks on a background with the XYZ color 46.3607, 60.1981,

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

46.3607, 60.1981, 103.7837

Protanopia

58.7796, 59.1288, 91.5341

Deuteranopia

60.2117, 59.2733, 102.8751



Tritanopia

44.0685, 60.0560, 92.4884

Trichromacy



Original Color

46.3607, 60.1981, 103.7837



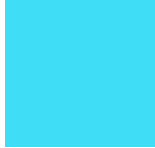
Protanomaly

51.5849, 58.1551, 95.6950



Deuteranomaly

52.3954, 58.0487, 103.0507



Tritanomaly

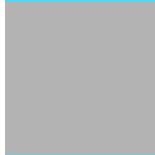
44.8057, 59.9531, 96.3994

Monochromacy



Original Color

46.3607, 60.1981, 103.7837



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

41.2017, 48.5775, 66.2363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3607, 60.1981, 103.7837 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(69, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(69, 221, 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(69, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.3607, 60.1981, 103.7837 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(69, 221, 255) }
```


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

```
.border{ border-color:rgb(69, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(69, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3607, 60.1981, 103.7837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 221, 255) }
```

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

```
.background{ background-color: rgb(69, 221,  
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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