

Converting Colors

XYZ(46.5393, 59.8056,
103.6985)

Have a look what the booklet for
XYZ(46.5393, 59.8056, 103.6985)
contains.

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Color

**XYZ(46.6237, 59.9429,
103.7206)**

Conversions

Conversions Part 1

Format	Color
Hex	4CDCFF
RGB	76, 220, 255
RGB Percent	30%, 86%, 100%
CMY	0.7019, 0.1372, 0.0000
CMYK	0.70, 0.14, 0.00, 0.00
HSL	192°, 100%, 65%
HSV	192°, 70%, 100%
XYZ	46.6237, 59.9429, 103.7206
YIQ	180.9340, -97.0590, -19.6430

Conversions

Conversions Part 2

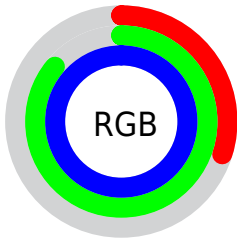
Format	Color
RYB	76, 156, 255
Decimal	5037311
CIELab	81.81, -27.25, -28.15
CIELCh	82, 39.184, 225.933
Yxy	59.9429, 0.2217, 0.2851
Android (android.graphics.Color)	4283227391 (0xFF4CDCFF)
YUV	180.9340, 36.5145, -92.0271
Hunter-Lab	77.4228, -27.9979, -25.2328

Details

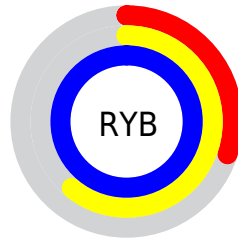
The XYZ color **46.6237, 59.9429, 103.7206** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **48.2303, 33.1527, 10.6967**, and the grayscale version is **43.7344, 46.0119, 50.1070**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **23.6482, 30.9875, 58.1609** is the 20% darker color. If you saturate the color by 10%, you get **43.6956, 56.5208, 103.2143**, and if you desaturate by 10%, it is **50.3965, 63.8608, 104.2779**.

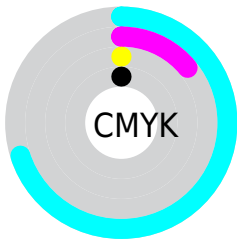
Distribution



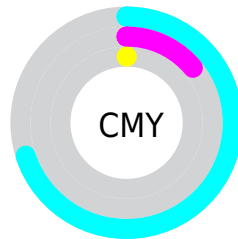
- Red (30%)
- Green (86%)
- Blue (100%)



- Red (30%)
- Yellow (61%)
- Blue (100%)



- Cyan (70%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6237, 59.9429, 103.7206 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 46.6237, 59.9429, 103.7206 by changing the saturation by 10% instead.


 46.6237, 59.9429,
103.7206


 46.6237, 59.9429,
103.7206


363.9845,
424.3873, 593.4048


 32.9450, 43.3726,
78.7772


 84.3738, 104.7468,
168.3571


 22.2433, 30.1776,
58.1924


 109.1759,
133.7493, 208.8874

 14.1534, 19.9734,
41.5477

 138.4165,
167.6645, 255.4503

 8.3099, 12.3757,
28.4243

 172.4610,
206.8770, 308.4646

 4.3473, 7.0001,
18.4040

211.6747,
251.7712, 368.3486

 1.9004, 3.4622,
11.0680

256.4229,

 0.5771, 1.3775,

302.7313, 435.5209

5.9978

307.0711,
360.1419, 510.4001

■ 0.0000, 0.2001,
2.7750

■ 0.0000, 0.0000,
0.9809

■ 46.6237, 59.9429,
103.7206

■ 46.6237, 59.9429,
103.7206

■ 43.6956, 56.5208,
103.2143

■ 50.3965, 63.8608,
104.2779

■ 41.5055, 53.5354,
102.7535

■ 55.0940, 68.3126,
104.8896

■ 39.9150, 50.9500,
102.3383

■ 60.7920, 73.3391,
105.5595

■ 67.5572, 78.9752,
106.2908

■ 75.4503, 85.2526,
107.0865

■ 84.5272, 92.2006,
107.9492

94.8401, 99.8466,
108.8815

95.0500, 100.0000,
108.9000

Harmonies

Analogous

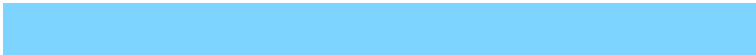
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.0224, 59.9429, 78.5707



46.6237, 59.9429, 103.7206



53.1991, 59.9429, 120.0957

Triad

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



46.6237, 59.9429, 103.7206



73.8151, 59.9429, 76.9627



52.7233, 59.9429, 30.5651

Complementary

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



46.6237, 59.9429, 103.7206



48.2303, 33.1527, 10.6967

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.



60.9232, 59.9429, 30.3345



46.6237, 59.9429, 103.7206



73.6561, 59.9429, 53.5579

Square

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



46.6237, 59.9429, 103.7206



69.1680, 59.9429, 102.3009



68.7527, 59.9429, 37.7308



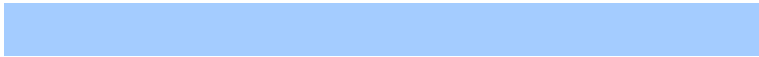
46.3045, 59.9429, 38.4623

Rectangle

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



46.6237, 59.9429, 103.7206



58.6318, 59.9429, 121.7865



68.7527, 59.9429, 37.7308



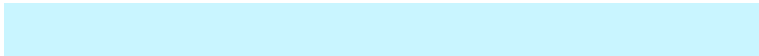
55.3476, 59.9429, 29.6670

Sweetspot

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



46.6254, 59.9450, 103.7209



74.7688, 84.7205, 107.0197



41.4924, 74.1574, 26.5459



15.5179, 17.7518, 22.8585



0.0000, 0.0000, 0.0000



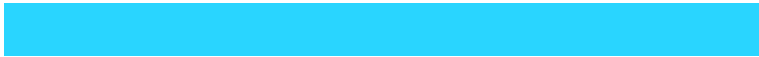
20.3446, 21.4041, 23.3091

Same Dimension

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



46.6254, 59.9450, 103.7209



42.7805, 55.3353, 103.0338



29.3768, 25.4476, 97.9713



18.2353, 19.8423, 23.1188



20.9633, 26.8362, 53.5096



2.1146, 2.7600, 5.2345

Inverse Universe

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



56.7439, 31.5980, 70.8205



54.0513, 27.6422, 65.5162



62.8123, 62.3168, 15.5574



18.6314, 18.2359, 21.9423



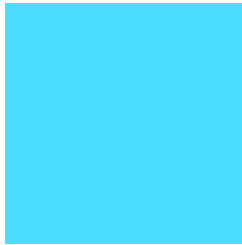
27.3695, 13.4371, 31.6599



2.7020, 1.3232, 3.2780

Previews

White Background



This preview shows how the XYZ color 46.6237, 59.9429, 103.7206 looks on a white background.

Color Contrast Check

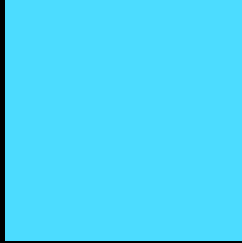
Large Text (above 18pt) WCAG AA × Fail

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 46.6237, 59.9429, 103.7206 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 46.6237, 59.9429, 103.7206

Background



This preview shows how black text looks on a background with the XYZ color 46.6237, 59.9429, 103.7206.

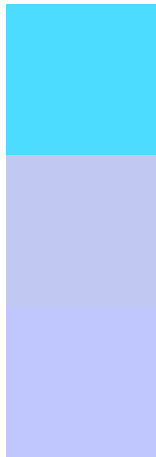


This preview shows how white text looks on a background with the XYZ color 46.6237, 59.9429,

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

46.6237, 59.9429, 103.7206

Protanopia

58.5238, 58.9969, 91.5221

Deuteranopia

60.2117, 59.2733, 102.8751



Tritanopia

44.3132, 59.7867, 92.4235

Trichromacy



Original Color

46.6237, 59.9429, 103.7206



Protanomaly

51.5251, 57.7635, 95.6226



Deuteranomaly

52.9405, 58.3297, 103.0762



Tritanomaly

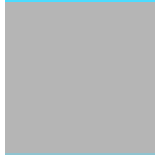
45.0168, 59.6688, 96.3334

Monochromacy



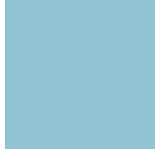
Original Color

46.6237, 59.9429, 103.7206



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

42.2280, 49.4239, 66.9886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6237, 59.9429, 103.7206 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(76, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 220, 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(76, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.6237, 59.9429, 103.7206 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(76, 220, 255) }
```


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

```
.border{ border-color:rgb(76, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6237, 59.9429, 103.7206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 220, 255) }
```

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

```
.background{ background-color: rgb(76, 220,  
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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