

Converting Colors

XYZ(52.9796, 63.5468,
133.5060)

Have a look what the booklet for
XYZ(52.9796, 63.5468, 133.5060)
contains.

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Color

**XYZ(47.2318, 61.0403,
103.9003)**

Conversions

Conversions Part 1

Format	Color
Hex	4DDEFF
RGB	77, 222, 255
RGB Percent	30%, 87%, 100%
CMY	0.6980, 0.1294, 0.0000
CMYK	0.70, 0.13, 0.00, 0.00
HSL	191°, 100%, 65%
HSV	191°, 70%, 100%
XYZ	47.2318, 61.0403, 103.9003
YIQ	182.4070, -97.0130, -20.4770

Conversions

Conversions Part 2

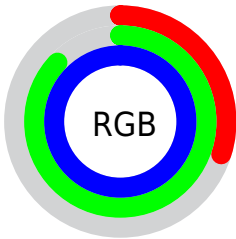
Format	Color
RYB	77, 157, 255
Decimal	5103359
CIELab	82.40, -28.10, -27.25
CIELCh	82, 39.142, 224.112
Yxy	61.0403, 0.2226, 0.2877
Android (android.graphics.Color)	4283293439 (0xFF4DDEFF)
YUV	182.4070, 35.7883, -92.4419
Hunter-Lab	78.1283, -28.8138, -24.1581

Details

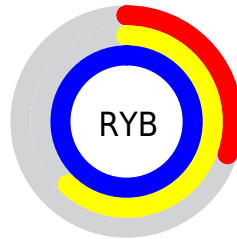
The XYZ color **47.2318, 61.0403, 103.9003** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **48.1567, 32.9496, 10.8450**, and the grayscale version is **44.5365, 46.8558, 51.0260**.

A 20% lighter version of the original color is **65.6641, 84.8510, 107.5248**, and **24.0118, 31.7147, 58.2821** is the 20% darker color. If you saturate the color by 10%, you get **44.3251, 57.7051, 103.4098**, and if you desaturate by 10%, it is **50.9830, 64.8656, 104.4410**.

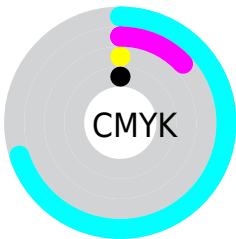
Distribution



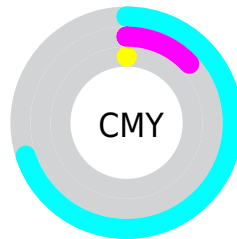
- Red (30%)
- Green (87%)
- Blue (100%)



- Red (30%)
- Yellow (62%)
- Blue (100%)



- Cyan (70%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2318, 61.0403, 103.9003 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 47.2318, 61.0403, 103.9003 by changing the saturation by 10% instead.

47.2318, 61.0403,
103.9003

47.2318, 61.0403,
103.9003

366.3725,
428.4218, 593.9795

33.4277, 44.2577,
78.9268

85.2762, 106.3373,
168.6053

22.6151, 30.8731,
58.3147

110.2471,
135.6205, 209.1739

14.4287, 20.5023,
41.6453

139.6710,
169.8393, 255.7780

8.5031, 12.7607,
28.5002

173.9132,
209.3781, 308.8361

4.4730, 7.2640,
18.4607

213.3391,
254.6214, 368.7668

1.9731, 3.6277,
11.1084

258.3141,

0.6188, 1.4676,

305.9535, 435.9885

6.0247

309.2034,
363.7588, 510.9199

■ 0.0000, 0.2657,
2.7911

■ 0.0000, 0.0000,
0.9890

■ 47.2318, 61.0403,
103.9003

■ 47.2318, 61.0403,
103.9003

■ 44.3251, 57.7051,
103.4098

■ 50.9830, 64.8656,
104.4410

■ 42.1571, 54.8013,
102.9635

■ 55.6580, 69.2185,
105.0348

■ 40.5686, 52.2478,
102.5544

■ 61.3324, 74.1398,
105.6856

■ 40.5392, 52.1983,
102.5464

■ 68.0724, 79.6639,
106.3966

■ 75.9385, 85.8224,
107.1707

■ 84.9866, 92.6446,
108.0107

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.



43.7919, 61.0403, 78.3217



47.2318, 61.0403, 103.9003



53.7300, 61.0403, 121.2510

Triad

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



47.2318, 61.0403, 103.9003



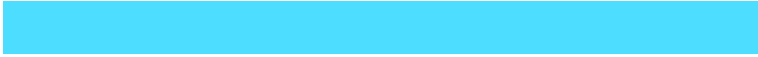
74.8777, 61.0403, 79.8675



54.1880, 61.0403, 31.0870

Complementary

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



47.2318, 61.0403, 103.9003



48.1567, 32.9496, 10.8450

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.



62.5261, 61.0403, 31.3098



47.2318, 61.0403, 103.9003



75.0304, 61.0403, 55.8653

Square

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



47.2318, 61.0403, 103.9003



69.9311, 61.0403, 105.2636



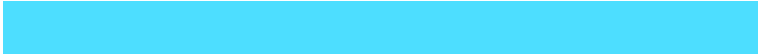
70.3304, 61.0403, 39.3092



47.5392, 61.0403, 38.6034

Rectangle

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



47.2318, 61.0403, 103.9003



59.1765, 61.0403, 123.7142



70.3304, 61.0403, 39.3092



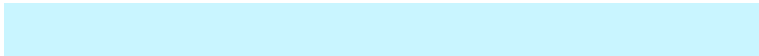
56.8727, 61.0403, 30.3281

Sweetspot

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



47.2336, 61.0424, 103.9006



74.9329, 85.0487, 107.0744



41.6165, 74.2163, 26.7817



15.5573, 17.8307, 22.8717



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.



47.2336, 61.0424, 103.9006



43.3308, 56.4360, 103.2172



29.5503, 25.6760, 98.0062



18.2517, 19.8751, 23.1242



21.2855, 27.4807, 53.6170



2.1433, 2.8172, 5.2441

Inverse Universe

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



57.0799, 31.8434, 72.2474



54.3291, 27.7533, 66.9790



62.9199, 62.4759, 15.7661



18.6397, 18.2392, 21.9858



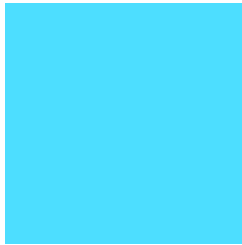
27.5322, 13.5022, 32.5165



2.7164, 1.3289, 3.3541

Previews

White Background



This preview shows how the XYZ color 47.2318, 61.0403, 103.9003 looks on a white background.

Color Contrast Check

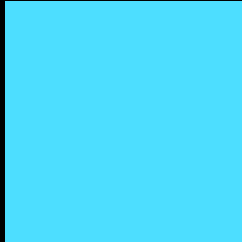
Large Text (above 18pt) WCAG AA × Fail

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 47.2318, 61.0403, 103.9003 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 47.2318, 61.0403, 103.9003

Background



This preview shows how black text looks on a background with the XYZ color 47.2318, 61.0403, 103.9003.

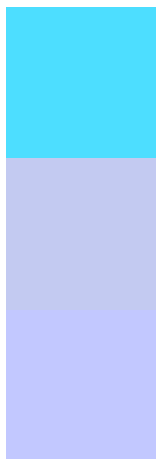


This preview shows how white text looks on a background with the XYZ color 47.2318, 61.0403,

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

47.2318, 61.0403, 103.9003

Protanopia

59.5034, 60.1940, 91.7015

Deuteranopia

60.9524, 59.9979, 102.9760



Tritanopia

45.1369, 60.9873, 93.3972

Trichromacy



Original Color

47.2318, 61.0403, 103.9003



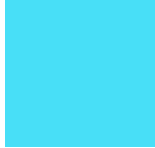
Protanomaly

52.3839, 58.9301, 95.8025



Deuteranomaly

53.3684, 58.9111, 103.1659



Tritanomaly

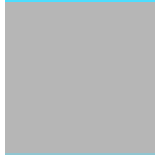
45.8487, 60.8685, 97.3280

Monochromacy



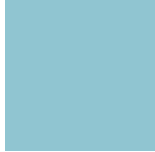
Original Color

47.2318, 61.0403, 103.9003



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

42.9765, 50.4652, 67.7973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2318, 61.0403, 103.9003 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(77, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 222, 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(77, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.2318, 61.0403, 103.9003 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(77, 222, 255) }
```


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

```
.border{ border-color:rgb(77, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2318, 61.0403, 103.9003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 222, 255) }
```

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

```
.background{ background-color: rgb(77, 222,  
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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