

Converting Colors

XYZ(46.2939, 75.8383, 62.6597)

Have a look what the booklet for
XYZ(46.2939, 75.8383, 62.6597)
contains.

XYZ(46.3001, 75.8417, 62.6507)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.3001, 75.8417,
62.6507)**

Conversions

Conversions Part 1

Format	Color
Hex	29FFC1
RGB	41, 255, 193
RGB Percent	16%, 100%, 76%
CMY	0.8392, 0.0000, 0.2431
CMYK	0.84, 0.00, 0.24, 0.00
HSL	163°, 100%, 58%
HSV	163°, 84%, 100%
XYZ	46.3001, 75.8417, 62.6507
YIQ	183.9460, -107.6420, -64.6500

Conversions

Conversions Part 2

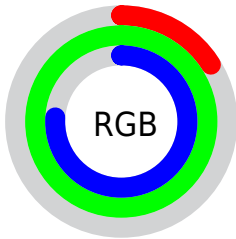
Format	Color
RYB	41, 166, 255
Decimal	2752449
CIELab	89.79, -62.56, 16.04
CIELCh	90, 64.582, 165.618
Yxy	75.8417, 0.2506, 0.4104
Android (android.graphics.Color)	4280942529 (0xFF29FFC1)
YUV	183.9460, 4.4636, -125.3636
Hunter-Lab	87.0871, -57.5025, 18.3076

Details

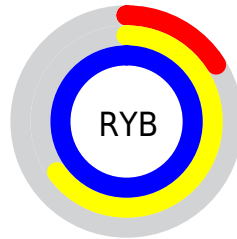
The XYZ color **46.3001, 75.8417, 62.6507** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **44.4821, 23.8262, 15.0891**, and the grayscale version is **45.5506, 47.9227, 52.1879**.

A 20% lighter version of the original color is **61.6195, 82.8577, 103.1879**, and **24.6265, 41.7966, 31.1957** is the 20% darker color. If you saturate the color by 10%, you get **44.7874, 75.1547, 58.3854**, and if you desaturate by 10%, it is **48.5125, 76.8845, 67.1663**.

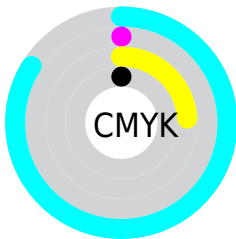
Distribution



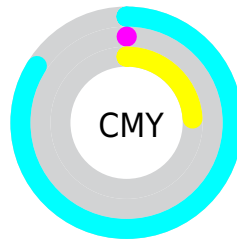
- Red (16%)
- Green (100%)
- Blue (76%)



- Red (16%)
- Yellow (65%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (84%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3001, 75.8417, 62.6507 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 46.3001, 75.8417, 62.6507 by changing the saturation by 10% instead.


 46.3001, 75.8417,
62.6507


 46.3001, 75.8417,
62.6507


362.7096,
480.8056, 452.3737


 32.6883, 56.3027,
45.1195


 83.8931, 127.5031,
110.2461


 22.0459, 40.4457,
31.2079


 108.6050,
160.3943, 141.1474

 14.0074, 27.8862,
20.4974


 137.7476,
198.5051, 177.3425

 8.2076, 18.2399,
12.5695

 171.6864,
242.2198, 219.2499

 4.2810, 11.1224,
7.0056

210.7866,
291.9228, 267.2882

 1.8623, 6.1492,
3.3871

255.4136,

 0.5548, 2.9360,

347.9985, 321.8759

1.2955

305.9328,
410.8313, 383.4316

■ 0.0000, 1.0984,
0.0581

■ 0.0000, 0.0000,
0.0000

■ 46.3001, 75.8417,
62.6507

■ 46.3001, 75.8417,
62.6507

■ 44.7874, 75.1547,
58.3854

■ 48.5125, 76.8845,
67.1663

■ 44.1128, 74.8611,
55.9052

■ 51.5328, 78.3391,
71.9365

■ 55.4523, 80.2524,
76.9697

■ 60.3491, 82.6645,
82.2725

66.2926, 85.6111,
87.8511

73.3457, 89.1247,
93.7111

81.5663, 93.2351,
99.8581

91.0081, 97.9698,
106.2973

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.



52.3357, 75.8417, 35.1648



46.3001, 75.8417, 62.6507



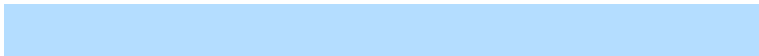
46.4276, 75.8417, 108.5183

Triad

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



46.3001, 75.8417, 62.6507



80.6500, 75.8417, 199.1443



95.7009, 75.8417, 34.4125

Complementary

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



46.3001, 75.8417, 62.6507



44.4821, 23.8262, 15.0891

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.



105.7905, 75.8417, 61.1419



46.3001, 75.8417, 62.6507



96.2667, 75.8417, 160.3831

Square

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



46.3001, 75.8417, 62.6507



64.7420, 75.8417, 200.0267



106.0116, 75.8417, 106.3392



79.9638, 75.8417, 23.4197

Rectangle

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



46.3001, 75.8417, 62.6507



49.9429, 75.8417, 144.9245



106.0116, 75.8417, 106.3392



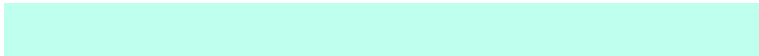
99.9612, 75.8417, 41.3026

Sweetspot

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



46.3008, 75.8420, 62.6520



72.5262, 88.7158, 93.0625



42.0107, 74.6961, 14.3026



14.9747, 18.7152, 19.4739



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

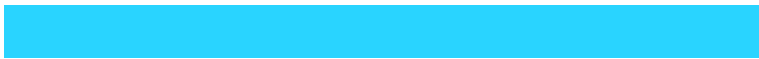
The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.3008, 75.8420, 62.6520



44.1128, 74.8611, 55.9052



42.5591, 54.8800, 102.9575



18.3173, 20.3865, 21.9741



23.1179, 39.1438, 29.5700



2.2984, 3.8303, 3.1292

Inverse Universe

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



44.4821, 23.8262, 15.0891



42.4720, 21.7528, 8.4176



44.7961, 27.7314, 5.0906



18.2258, 18.0736, 19.8062



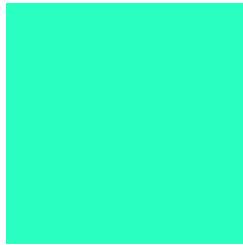
22.2483, 11.3886, 4.6918



2.2112, 1.1269, 0.6936

Previews

White Background



This preview shows how the XYZ color 46.3001, 75.8417, 62.6507 looks on a white background.

Color Contrast Check

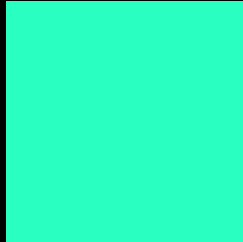
Large Text (above 18pt) WCAG AA × Fail

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 46.3001, 75.8417, 62.6507 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 46.3001, 75.8417, 62.6507

Background



This preview shows how black text looks on a background with the XYZ color 46.3001, 75.8417, 62.6507.

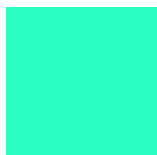


This preview shows how white text looks on a background with the XYZ color 46.3001, 75.8417,

Color Blindness Simulation

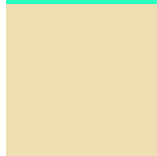
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.3001, 75.8417, 62.6507



Protanopia

69.6835, 74.1668, 52.7624



Deuteranopia

75.7245, 74.2586, 66.2194



Tritanopia

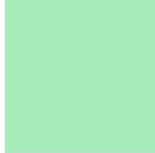
60.1946, 75.2029, 105.9508

Trichromacy



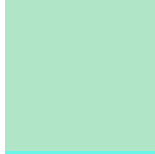
Original Color

46.3001, 75.8417, 62.6507



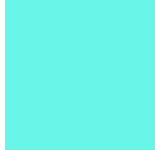
Protanomaly

53.9815, 70.9425, 55.6479



Deuteranomaly

56.5101, 69.9473, 64.5556



Tritanomaly

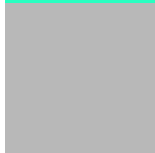
53.0436, 74.1343, 87.8576

Monochromacy



Original Color

46.3001, 75.8417, 62.6507



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

41.5320, 54.5866, 55.3610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3001, 75.8417, 62.6507 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(41, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(41, 255, 193)  
}
```

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(41, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 255, 193) }
```

Border

The CSS property to change the border of an element to XYZ 46.3001, 75.8417, 62.6507 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(41, 255, 193) }
```


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

```
.border{ border-color:rgb(41, 255, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 255, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(41, 255,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3001, 75.8417, 62.6507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 255, 193) }
```

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

```
.background{ background-color: rgb(41, 255,  
193) }
```

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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