

Converting Colors

XYZ(42.0525, 51.3238,
102.2978)

Have a look what the booklet for
XYZ(42.0525, 51.3238, 102.2978)
contains.

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Color

**XYZ(42.0045, 51.2715,
102.2903)**

Conversions

Conversions Part 1

Format	Color
Hex	47CBFF
RGB	71, 203, 255
RGB Percent	28%, 80%, 100%
CMY	0.7215, 0.2039, 0.0000
CMYK	0.72, 0.20, 0.00, 0.00
HSL	197°, 100%, 64%
HSV	197°, 72%, 100%
XYZ	42.0045, 51.2715, 102.2903
YIQ	169.4600, -95.3640, -11.8120

Conversions

Conversions Part 2

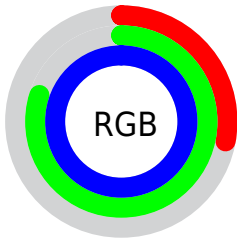
Format	Color
R_{YB}	71, 148, 255
Decimal	4705279
CIE _{Lab}	76.84, -19.33, -35.80
CIE _{LCh}	77, 40.691, 241.631
Yxy	51.2715, 0.2148, 0.2622
Android (android.graphics.Color)	4282895359 (0xFF47CBFF)
YUV	169.4600, 42.1712, -86.3494
Hunter-Lab	71.6041, -20.5953, -34.5760

Details

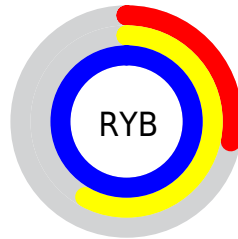
The XYZ color **42.0045, 51.2715, 102.2903** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **49.4620, 35.8835, 10.2827**, and the grayscale version is **37.7737, 39.7408, 43.2778**.

A 20% lighter version of the original color is **64.7945, 84.4027, 107.4841**, and **20.9405, 25.5721, 57.2583** is the 20% darker color. If you saturate the color by 10%, you get **38.8488, 47.1775, 101.6664**, and if you desaturate by 10%, it is **46.0263, 55.9313, 102.9777**.

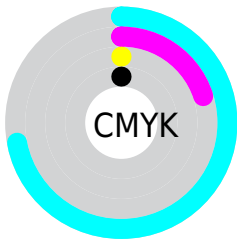
Distribution



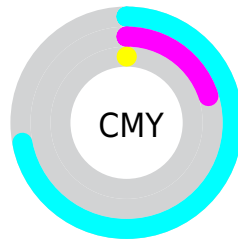
- Red (28%)
- Green (80%)
- Blue (100%)



- Red (28%)
- Yellow (58%)
- Blue (100%)



- Cyan (72%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0045, 51.2715, 102.2903 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 42.0045, 51.2715, 102.2903 by changing the saturation by 10% instead.


 42.0045, 51.2715,
102.2903


 42.0045, 51.2715,
102.2903


345.4929,
391.6177, 588.8202


 29.2959, 36.4247,
77.5871


 77.4716, 92.0560,
166.3803


 19.4502, 24.7624,
57.2204

 100.9608,
118.7625, 206.6042

 12.1020, 15.9001,
40.7717


 128.7742,
150.1910, 252.8387

 6.8859, 9.4535,
27.8224

 161.2773,
186.7259, 305.5025

 3.4365, 5.0381,
17.9539

198.8354,
228.7516, 365.0139

 1.3886, 2.2697,
10.7478

241.8137,

 0.2481, 0.7576,

276.6526, 431.7917

5.7855

290.5778,
330.8131, 506.2542

■ 0.0000, 0.0000,
2.6484

■ 0.0000, 0.0000,
0.9173

■ 42.0045, 51.2715,
102.2903

■ 42.0045, 51.2715,
102.2903

■ 38.8488, 47.1775,
101.6664

■ 46.0263, 55.9313,
102.9777

■ 36.4481, 43.5876,
101.1000

■ 50.9981, 61.1990,
103.7324

■ 34.9698, 41.0595,
100.6899

■ 56.9981, 67.1172,
104.5585

■ 64.0950, 73.7229,
105.4595

■ 72.3512, 81.0496,
106.4386

■ 81.8241, 89.1286,
107.4987

■ 92.5673, 97.9887,
108.6426

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

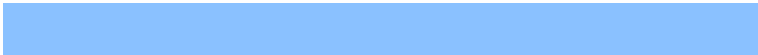
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.1391, 51.2715, 81.2623



42.0045, 51.2715, 102.2903



49.1564, 51.2715, 110.1116

Triad

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



42.0045, 51.2715, 102.2903



65.1529, 51.2715, 54.6230



41.3443, 51.2715, 26.8567

Complementary

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



42.0045, 51.2715, 102.2903



49.4620, 35.8835, 10.2827

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.



48.3101, 51.2715, 23.1674



42.0045, 51.2715, 102.2903



62.5165, 51.2715, 36.3428

Square

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



42.0045, 51.2715, 102.2903



63.0174, 51.2715, 78.5963



56.1421, 51.2715, 26.1196



36.7872, 51.2715, 37.9422

Rectangle

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



42.0045, 51.2715, 102.2903



54.4198, 51.2715, 105.4896



56.1421, 51.2715, 26.1196



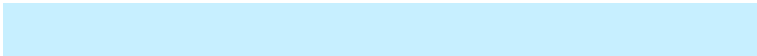
43.4551, 51.2715, 24.8657

Sweetspot

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



42.0061, 51.2732, 102.2905



72.4857, 81.1666, 106.4541



41.7543, 74.2180, 29.9184



15.0094, 16.9314, 22.7270



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.



42.0061, 51.2732, 102.2905



37.5981, 45.3779, 101.3849



26.6604, 20.5819, 97.1753



18.0955, 19.5627, 23.0722



18.4057, 21.7209, 52.6571



1.8849, 2.3005, 5.1580

Inverse Universe

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



54.2739, 30.0800, 59.4471



51.3360, 26.1752, 52.3915



65.9386, 68.8369, 15.7749



18.5609, 18.2077, 21.5707



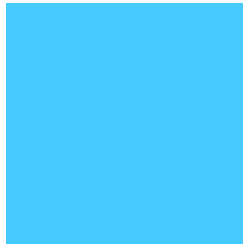
26.0785, 12.9207, 24.8617



2.5860, 1.2768, 2.6674

Previews

White Background



This preview shows how the XYZ color 42.0045, 51.2715, 102.2903 looks on a white background.

Color Contrast Check

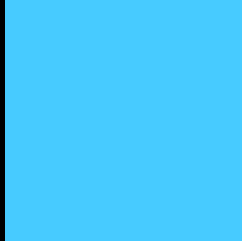
Large Text (above 18pt) WCAG AA × Fail

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 42.0045, 51.2715, 102.2903 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

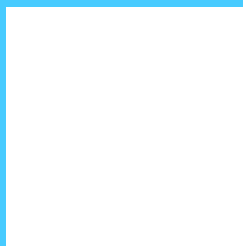
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0045, 51.2715, 102.2903

Background



This preview shows how black text looks on a background with the XYZ color 42.0045, 51.2715, 102.2903.



This preview shows how white text looks on a background with the XYZ color 42.0045, 51.2715,

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

42.0045, 51.2715, 102.2903

Protanopia

51.0415, 50.5273, 91.0670

Deuteranopia

51.7574, 50.6626, 101.6587



Tritanopia

37.3654, 51.1764, 79.1428

Trichromacy



Original Color

42.0045, 51.2715, 102.2903

Protanomaly

45.9547, 49.7330, 95.1731

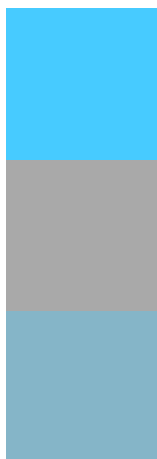
Deuteranomaly

46.5725, 49.9058, 101.7859

Tritanomaly

38.8425, 51.0395, 87.1613

Monochromacy



Original Color

42.0045, 51.2715, 102.2903

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.6221, 42.2044, 60.8597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0045, 51.2715, 102.2903 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(71, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 203, 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(71, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 203, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.0045, 51.2715, 102.2903 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(71, 203, 255) }
```


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

```
.border{ border-color:rgb(71, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 203,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0045, 51.2715, 102.2903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 203, 255) }
```

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

```
.background{ background-color: rgb(71, 203,  
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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