

Converting Colors

XYZ(42.9317, 53.6168, 90.2917)

Have a look what the booklet for
XYZ(42.9317, 53.6168, 90.2917)
contains.

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Color

**XYZ(42.8649, 53.4037,
90.4868)**

Conversions

Conversions Part 1

Format	Color
Hex	60CFF0
RGB	96, 207, 240
RGB Percent	38%, 81%, 94%
CMY	0.6235, 0.1882, 0.0588
CMYK	0.60, 0.14, 0.00, 0.06
HSL	194°, 83%, 66%
HSV	194°, 60%, 94%
XYZ	42.8649, 53.4037, 90.4868
YIQ	177.5730, -76.7490, -13.2690

Conversions

Conversions Part 2

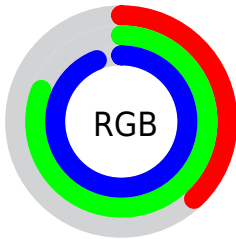
Format	Color
R _Y B	96, 159, 240
Decimal	6344688
CIE Lab	78.11, -22.22, -25.77
CIE LCh	78, 34.030, 229.227
Yxy	53.4037, 0.2295, 0.2860
Android (android.graphics.Color)	4284534768 (0xFF60CFF0)
YUV	177.5730, 30.7765, -71.5395
Hunter-Lab	73.0778, -23.1844, -22.2599

Details

The XYZ color **42.8649, 53.4037, 90.4868** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **45.8984, 35.0723, 15.4188**, and the grayscale version is **41.9651, 44.1506, 48.0800**.

A 20% lighter version of the original color is **67.9106, 86.0091, 107.6299**, and **19.8925, 25.9236, 49.3027** is the 20% darker color. If you saturate the color by 10%, you get **39.4055, 49.6776, 89.9509**, and if you desaturate by 10%, it is **47.1446, 57.6238, 91.0768**.

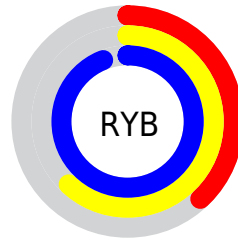
Distribution



Red (38%)

Green (81%)

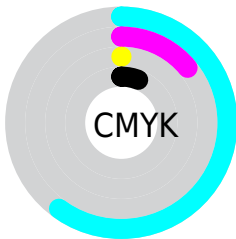
Blue (94%)



Red (38%)

Yellow (62%)

Blue (94%)

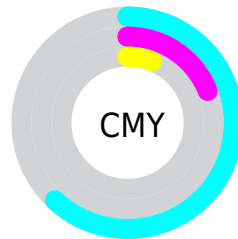


Cyan (60%)

Magenta (14%)

Yellow (0%)

Black (6%)



Cyan (62%)

Magenta (19%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8649, 53.4037, 90.4868 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 42.8649, 53.4037, 90.4868 by changing the saturation by 10% instead.

42.8649, 53.4037,
90.4868

42.8649, 53.4037,
90.4868

348.9868,
399.8320, 550.2240

29.9732, 38.1251,
67.8085

78.7639, 95.1981,
149.9558

19.9662, 26.0798,
49.2762

102.5020,
122.4828, 187.5836

12.4786, 16.8834,
34.4715

130.5862,
154.5383, 231.0316

7.1450, 10.1514,
22.9758

163.3818,
191.7490, 280.7184

3.6001, 5.4994,
14.3705

201.2544,
234.4994, 337.0625

1.4785, 2.5432,
8.2371

244.5692,

0.3111, 0.8982,

283.1737, 400.4824

4.1571

293.6915,
338.1565, 471.3968

■ 0.0000, 0.0000,
1.7119

■ 0.0000, 0.0000,
0.3689

■ 42.8649, 53.4037,
90.4868

■ 42.8649, 53.4037,
90.4868

■ 39.4055, 49.6776,
89.9509

■ 47.1446, 57.6238,
91.0768

■ 36.6883, 46.4011,
89.4617

■ 52.3036, 62.3657,
91.7202

■ 34.6278, 43.5308,
89.0163

■ 58.4009, 67.6616,
92.4210

■ 33.0780, 40.9906,
88.6076

■ 65.4889, 73.5392,
93.1819

■ 33.0776, 40.9898,
88.6075

■ 73.6161, 80.0241,
94.0053

■ 82.8275, 87.1401,
94.8933

■ 89.7732, 93.1609,
95.6894

■ 91.4665, 96.5476,
96.2538

■ 92.7284, 99.0713,
96.6744

Harmonies

Analogous

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



39.6270, 53.4037, 71.0468



42.8649, 53.4037, 90.4868



48.4082, 53.4037, 102.0007

Triad

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



42.8649, 53.4037, 90.4868



64.3704, 53.4037, 65.2573



46.6670, 53.4037, 29.9926

Complementary

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



42.8649, 53.4037, 90.4868



45.8984, 35.0723, 15.4188

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.



53.1839, 53.4037, 29.1037



42.8649, 53.4037, 90.4868



63.8010, 53.4037, 46.9125

Square

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



42.8649, 53.4037, 90.4868



61.0603, 53.4037, 85.4613



59.5664, 53.4037, 34.6091



41.6861, 53.4037, 37.3784

Rectangle

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



42.8649, 53.4037, 90.4868



52.8347, 53.4037, 102.2501



59.5664, 53.4037, 34.6091



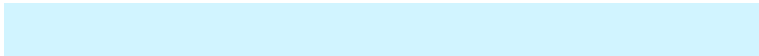
48.7377, 53.4037, 28.9958

Sweetspot

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



42.8666, 53.4057, 90.4881



76.8685, 85.7813, 107.1138



39.8294, 66.3459, 30.8561



15.9045, 17.9157, 22.8698



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.



42.8666, 53.4057, 90.4881



44.4534, 56.1256, 103.0981



29.4712, 26.6148, 86.0229



15.9224, 17.2788, 20.2176



18.2124, 22.6490, 48.5397



1.5890, 2.0320, 4.0627

Inverse Universe

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



51.3821, 31.3978, 62.3856



55.5195, 30.6178, 65.8847



58.5175, 60.3106, 19.6252



16.2902, 15.9658, 19.0847



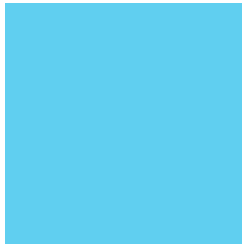
24.5184, 12.0798, 26.4440



2.0770, 1.0199, 2.3964

Previews

White Background



This preview shows how the XYZ color 42.8649, 53.4037, 90.4868 looks on a white background.

Color Contrast Check

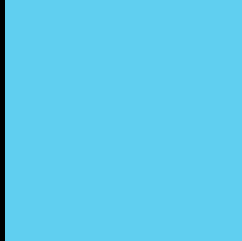
Large Text (above 18pt) WCAG AA × Fail

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 42.8649, 53.4037, 90.4868 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 42.8649, 53.4037, 90.4868

Background



This preview shows how black text looks on a background with the XYZ color 42.8649, 53.4037, 90.4868.

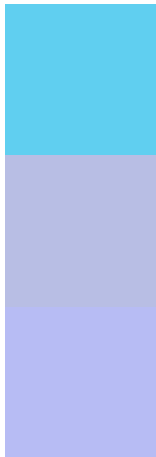


This preview shows how white text looks on a background with the XYZ color 42.8649, 53.4037,

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

42.8649, 53.4037, 90.4868

Protanopia

52.1842, 52.6187, 80.8048

Deuteranopia

53.8408, 52.5654, 92.8964



Tritanopia

40.7444, 53.2656, 80.0853

Trichromacy



Original Color

42.8649, 53.4037, 90.4868

Protanomaly

47.2543, 51.9815, 83.8868

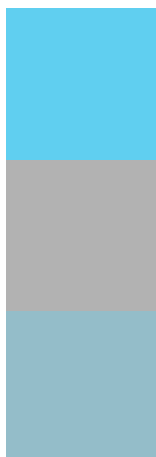
Deuteranomaly

48.4553, 52.0806, 92.2927

Tritanomaly

41.3933, 53.1566, 83.6799

Monochromacy



Original Color

42.8649, 53.4037, 90.4868

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.9530, 46.9081, 62.1541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8649, 53.4037, 90.4868 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(96, 207, 240)` looks like.

```
.text, #text, p{  
    color:rgb(96, 207, 240)  
}
```

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(96, 207, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 207, 240) }
```

Border

The CSS property to change the border of an element to XYZ 42.8649, 53.4037, 90.4868 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(96, 207, 240) }
```


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

```
.border{ border-color:rgb(96, 207, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 207, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 207, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 207, 240);  
box-shadow:4px 4px 4px 4px rgb(96, 207,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8649, 53.4037, 90.4868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 207, 240) }
```

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

```
.background{ background-color: rgb(96, 207,  
240) }
```

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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