

Converting Colors

XYZ(42.1336, 56.7816, 92.7446)

Have a look what the booklet for
XYZ(42.1336, 56.7816, 92.7446)
contains.

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Color

**XYZ(42.0588, 56.6649,
92.7251)**

Conversions

Conversions Part 1

Format	Color
Hex	30D9F2
RGB	48, 217, 242
RGB Percent	19%, 85%, 95%
CMY	0.8117, 0.1490, 0.0510
CMYK	0.80, 0.10, 0.00, 0.05
HSL	188°, 88%, 57%
HSV	188°, 80%, 95%
XYZ	42.0588, 56.6649, 92.7251
YIQ	169.3190, -108.7490, -28.0530

Conversions

Conversions Part 2

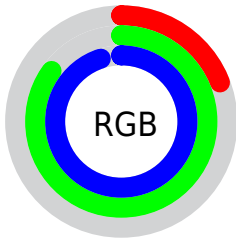
Format	Color
R_{YB}	48, 138, 242
Decimal	3201522
CIE _{Lab}	79.99, -32.74, -24.07
CIE _{LCh}	80, 40.635, 216.326
Yxy	56.6649, 0.2197, 0.2960
Android (android.graphics.Color)	4281391602 (0xFF30D9F2)
YUV	169.3190, 35.8317, -106.3968
Hunter-Lab	75.2761, -32.0004, -20.3402

Details

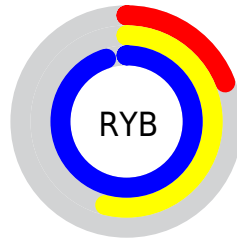
The XYZ color **42.0588, 56.6649, 92.7251** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **39.5359, 23.8583, 5.3196**, and the grayscale version is **37.7399, 39.7053, 43.2391**.

A 20% lighter version of the original color is **62.5624, 83.2520, 107.3796**, and **21.7833, 29.3858, 50.9783** is the 20% darker color. If you saturate the color by 10%, you get **40.4169, 54.6375, 92.4214**, and if you desaturate by 10%, it is **44.3411, 59.0473, 93.0657**.

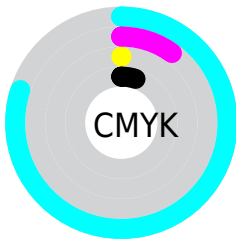
Distribution



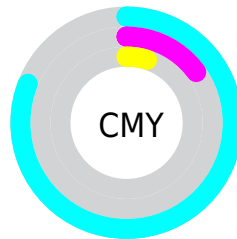
- Red (19%)
- Green (85%)
- Blue (95%)



- Red (19%)
- Yellow (54%)
- Blue (95%)



- Cyan (80%)
- Magenta (10%)
- Yellow (0%)
- Black (5%)



- Cyan (81%)
- Magenta (15%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0588, 56.6649, 92.7251 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 42.0588, 56.6649, 92.7251 by changing the saturation by 10% instead.

42.0588, 56.6649,
92.7251

42.0588, 56.6649,
92.7251

345.7141,
412.1925, 557.6534

29.3386, 40.7363,
69.6566

77.5532, 99.9761,
153.0864

19.4827, 28.1131,
50.7716

101.0582,
128.1274, 191.2163

12.1257, 18.4109,
35.6514

128.8888,
161.1217, 235.2037

6.9021, 11.2454,
23.8775

161.4104,
199.3435, 285.4673

3.4468, 6.2321,
15.0314

198.9884,
243.1770, 342.4255

1.3942, 2.9867,
8.6946

241.9881,

0.2521, 1.1248,

293.0068, 406.4969

4.4484

290.7749,
349.2171, 478.1000

■ 0.0000, 0.0000,
1.8744

■ 0.0000, 0.0000,
0.4764

■ 42.0588, 56.6649,
92.7251

■ 42.0588, 56.6649,
92.7251

■ 40.4169, 54.6375,
92.4214

■ 44.3411, 59.0473,
93.0657

■ 39.2756, 52.9076,
92.1476

■ 47.3471, 61.8243,
93.4433

■ 51.1530, 65.0364,
93.8627

■ 55.8239, 68.7174,
94.3270

■ 61.4181, 72.8974,
94.8390

■ 67.9888, 77.6039,
95.4012

■ 75.5849, 82.8624,
96.0158

■ 84.2524, 88.6965,
96.6851

■ 89.9410, 93.0185,
97.2195

Harmonies

Analogous

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



39.5761, 56.6649, 66.8429



42.0588, 56.6649, 92.7251



47.7347, 56.6649, 113.3802

Triad

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



42.0588, 56.6649, 92.7251



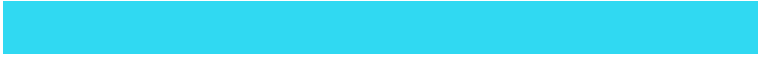
69.7376, 56.6649, 81.8040



52.1286, 56.6649, 26.6556

Complementary

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



42.0588, 56.6649, 92.7251



39.5359, 23.8583, 5.3196

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.



60.4844, 56.6649, 28.7348



42.0588, 56.6649, 92.7251



71.2195, 56.6649, 56.8249

Square

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



42.0588, 56.6649, 92.7251



63.8159, 56.6649, 106.0318



67.6809, 56.6649, 38.5029



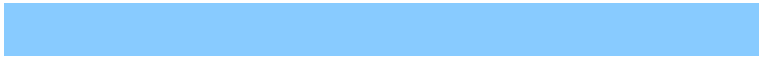
44.9944, 56.6649, 31.8499

Rectangle

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



42.0588, 56.6649, 92.7251



52.8480, 56.6649, 119.0704



67.6809, 56.6649, 38.5029



54.8814, 56.6649, 26.5509

Sweetspot

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



42.0606, 56.6670, 92.7265



73.5422, 85.2537, 107.1873



34.0984, 64.5843, 16.5712



15.1813, 17.8457, 22.8944



0.0000, 0.0000, 0.0000



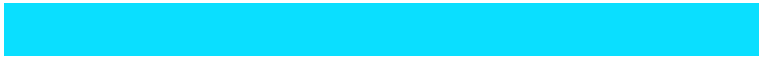
20.3446, 21.4041, 23.3091

Same Dimension

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



42.0606, 56.6670, 92.7265



44.6865, 60.3036, 103.8923



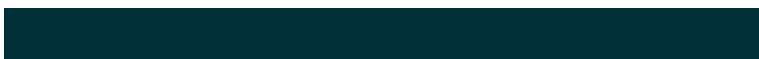
24.2531, 21.0518, 86.7906



16.0635, 17.5611, 20.2646



21.1702, 28.5647, 49.5256



1.8092, 2.4723, 4.1361

Inverse Universe

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



50.2009, 26.0028, 68.0208



54.7312, 26.8336, 72.4274



51.0887, 46.9639, 9.1705



16.3615, 15.9943, 19.4597



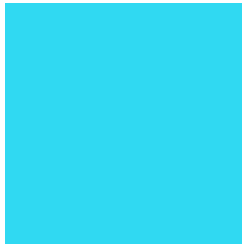
26.0114, 12.6770, 34.3060



2.1881, 1.0643, 2.9815

Previews

White Background



This preview shows how the XYZ color 42.0588, 56.6649, 92.7251 looks on a white background.

Color Contrast Check

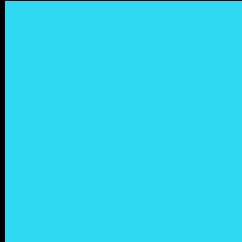
Large Text (above 18pt) WCAG AA × Fail

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 42.0588, 56.6649, 92.7251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

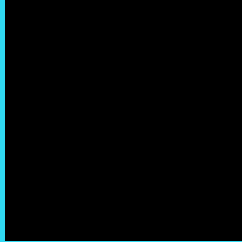
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0588, 56.6649, 92.7251

Background



This preview shows how black text looks on a background with the XYZ color 42.0588, 56.6649, 92.7251.



This preview shows how white text looks on a background with the XYZ color 42.0588, 56.6649,

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

42.0588, 56.6649, 92.7251

Protanopia

54.8661, 55.6526, 80.5233

Deuteranopia

57.0937, 55.8025, 95.7575



Tritanopia

41.1262, 56.6704, 88.1278

Trichromacy



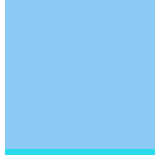
Original Color

42.0588, 56.6649, 92.7251



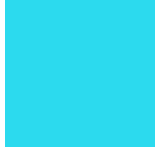
Protanomaly

46.5689, 54.0270, 84.3178



Deuteranomaly

48.0832, 54.2369, 94.3207



Tritanomaly

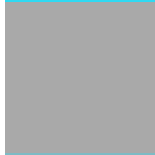
41.5427, 56.8513, 89.6728

Monochromacy



Original Color

42.0588, 56.6649, 92.7251



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.9802, 43.4633, 58.7175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0588, 56.6649, 92.7251 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(48, 217, 242)` looks like.

```
.text, #text, p{  
    color:rgb(48, 217, 242)  
}
```

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(48, 217, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 217, 242) }
```

Border

The CSS property to change the border of an element to XYZ 42.0588, 56.6649, 92.7251 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(48, 217, 242) }
```


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

```
.border{ border-color:rgb(48, 217, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 217, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 217, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 217, 242);  
box-shadow:4px 4px 4px 4px rgb(48, 217,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0588, 56.6649, 92.7251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 217, 242) }
```

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

```
.background{ background-color: rgb(48, 217,  
242) }
```

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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