

Converting Colors

XYZ(42.1471, 67.7916, 62.4193)

Have a look what the booklet for
XYZ(42.1471, 67.7916, 62.4193)
contains.

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Color

**XYZ(42.1092, 67.7056,
62.4789)**

Conversions

Conversions Part 1

Format	Color
Hex	1DF2C3
RGB	29, 242, 195
RGB Percent	11%, 95%, 76%
CMY	0.8862, 0.0510, 0.2353
CMYK	0.88, 0.00, 0.19, 0.05
HSL	167°, 89%, 53%
HSV	167°, 88%, 95%
XYZ	42.1092, 67.7056, 62.4789
YIQ	172.9550, -111.8610, -59.7730

Conversions

Conversions Part 2

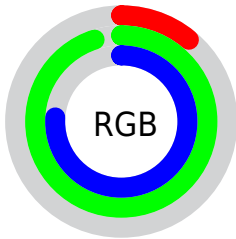
Format	Color
R _Y B	29, 149, 242
Decimal	1962691
CIE Lab	85.86, -57.88, 9.42
CIE LCh	86, 58.642, 170.753
Yxy	67.7056, 0.2444, 0.3930
Android (android.graphics.Color)	4280152771 (0xFF1DF2C3)
YUV	172.9550, 10.8682, -126.2485
Hunter-Lab	82.2834, -52.6472, 12.5787

Details

The XYZ color **42.1092, 67.7056, 62.4789** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **38.3644, 20.2797, 8.7339**, and the grayscale version is **39.6887, 41.7556, 45.4718**.

A 20% lighter version of the original color is **60.9384, 82.4702, 104.8020**, and **22.1567, 36.6210, 31.1001** is the 20% darker color. If you saturate the color by 10%, you get **41.0709, 67.2405, 59.3355**, and if you desaturate by 10%, it is **43.6985, 68.4555, 65.7639**.

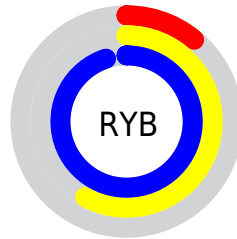
Distribution



Red (11%)

Green (95%)

Blue (76%)



Red (11%)

Yellow (58%)

Blue (95%)

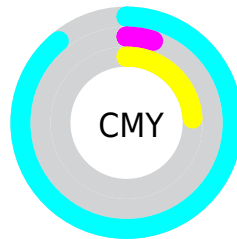


Cyan (88%)

Magenta (0%)

Yellow (19%)

Black (5%)



Cyan (89%)


Magenta (5%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1092, 67.7056, 62.4789 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 42.1092, 67.7056, 62.4789 by changing the saturation by 10% instead.


 42.1092, 67.7056,
62.4789


 42.1092, 67.7056,
62.4789

345.9193,
452.4522, 451.7316


 29.3783, 49.6583,
44.9815


 77.6290, 115.9309,
109.9957


 19.5129, 35.1419,
31.1000

 101.1486,
146.8776, 140.8521


 12.1477, 23.7722,
20.4159


 128.9951,
182.8929, 176.9987

 6.9172, 15.1648,
12.5107

 161.5340,
224.3613, 218.8538

 3.4563, 8.9351,
6.9657

 199.1304,
271.6669, 266.8362

 1.3994, 4.6989,
3.3625

242.1499,

 0.2558, 2.0717,

325.1944, 321.3642

1.2826

290.9578,
385.3280, 382.8565

■ 0.0000, 0.6486,
0.0475

■ 0.0000, 0.0000,
0.0000

■ 42.1092, 67.7056,
62.4789

■ 42.1092, 67.7056,
62.4789

■ 41.0709, 67.2405,
59.3355


■ 43.6985, 68.4555,
65.7639


■ 40.8949, 67.1632,
58.7239


■ 45.9500, 69.5427,
69.1922

■ 48.9508, 71.0136,
72.7707


■ 52.7730, 72.9053,
76.5038

 57.4803, 75.2508,
80.3955

 63.1299, 78.0793,
84.4496

 69.7740, 81.4180,
88.6697

 77.4613, 85.2917,
93.0590

 86.2367, 89.7238,
97.6207

Harmonies

Analogous

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



46.3772, 67.7056, 36.1739



42.1092, 67.7056, 62.4789



43.1258, 67.7056, 103.1061

Triad

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



42.1092, 67.7056, 62.4789



73.9285, 67.7056, 166.5838



82.0831, 67.7056, 30.0437

Complementary

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



42.1092, 67.7056, 62.4789



38.3644, 20.2797, 8.7339

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.



91.6018, 67.7056, 50.5261



42.1092, 67.7056, 62.4789



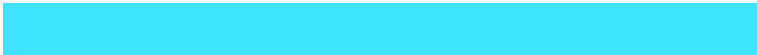
86.4582, 67.7056, 131.0058

Square

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



42.1092, 67.7056, 62.4789



60.2971, 67.7056, 173.2701



93.3054, 67.7056, 86.2342



68.5851, 67.7056, 22.2144

Rectangle

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



42.1092, 67.7056, 62.4789



46.7285, 67.7056, 133.2006



93.3054, 67.7056, 86.2342



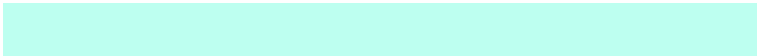
85.9286, 67.7056, 35.2563

Sweetspot

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



42.1111, 67.7082, 62.4805



72.4549, 88.6137, 96.0110



35.1762, 65.2454, 11.9034



14.9927, 18.7083, 20.2037



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.



42.1111, 67.7082, 62.4805



46.0370, 75.6308, 66.0380



33.9274, 41.4576, 90.2213



16.0893, 17.8658, 19.4934



22.0217, 36.1007, 31.8269



1.8684, 3.0178, 2.8394

Inverse Universe

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



38.3644, 20.2797, 8.7339



41.9605, 21.5482, 5.7243



40.1544, 25.5929, 3.9873



15.9156, 15.8160, 17.1118



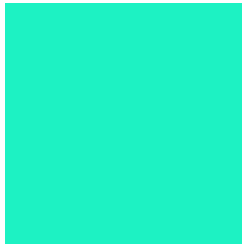
20.0633, 10.2978, 2.9841



1.7052, 0.8711, 0.4384

Previews

White Background



This preview shows how the XYZ color 42.1092, 67.7056, 62.4789 looks on a white background.

Color Contrast Check

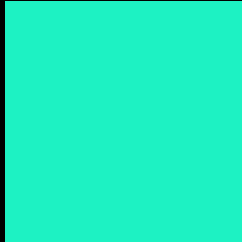
Large Text (above 18pt) WCAG AA × Fail

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 42.1092, 67.7056, 62.4789 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 42.1092, 67.7056, 62.4789

Background



This preview shows how black text looks on a background with the XYZ color 42.1092, 67.7056, 62.4789.

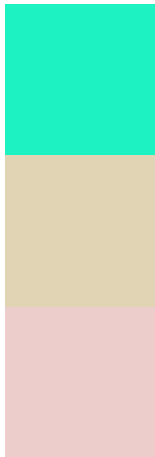


This preview shows how white text looks on a background with the XYZ color 42.1092, 67.7056,

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

42.1092, 67.7056, 62.4789

Protanopia

62.5222, 66.2295, 52.6683

Deuteranopia

67.5359, 65.9790, 65.6756



Tritanopia

50.2130, 67.5153, 103.3138

Trichromacy



Original Color

42.1092, 67.7056, 62.4789



Protanomaly

48.2815, 63.0504, 55.5242



Deuteranomaly

50.1947, 61.8900, 63.9440



Tritanomaly

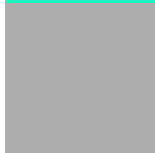
46.7132, 67.3552, 86.8828

Monochromacy



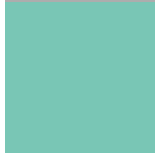
Original Color

42.1092, 67.7056, 62.4789



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.4197, 47.7893, 51.0208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1092, 67.7056, 62.4789 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(29, 242, 195)` looks like.

```
.text, #text, p{  
    color:rgb(29, 242, 195)  
}
```

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(29, 242, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 242, 195) }
```

Border

The CSS property to change the border of an element to XYZ 42.1092, 67.7056, 62.4789 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(29, 242, 195) }
```


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

```
.border{ border-color:rgb(29, 242, 195) }
```

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

Here you see how a box with a 4 pixel rgb(29, 242, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 242, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 242, 195);  
box-shadow:4px 4px 4px 4px rgb(29, 242,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1092, 67.7056, 62.4789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 242, 195) }
```

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

```
.background{ background-color: rgb(29, 242,  
195) }
```

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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