

Converting Colors

XYZ(41.2794, 56.2369, 93.3800)

Have a look what the booklet for
XYZ(41.2794, 56.2369, 93.3800)
contains.

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Color

**XYZ(41.2998, 56.2562,
93.4758)**

Conversions

Conversions Part 1

Format	Color
Hex	15D9F3
RGB	21, 217, 243
RGB Percent	8%, 85%, 95%
CMY	0.9175, 0.1490, 0.0471
CMYK	0.91, 0.11, 0.00, 0.05
HSL	187°, 90%, 52%
HSV	187°, 91%, 95%
XYZ	41.2998, 56.2562, 93.4758
YIQ	161.3600, -125.1620, -33.4660

Conversions

Conversions Part 2

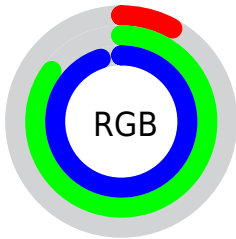
Format	Color
R _Y B	21, 125, 243
Decimal	1432051
CIE Lab	79.76, -34.05, -24.98
CIE LCh	80, 42.228, 216.268
Yxy	56.2562, 0.2162, 0.2945
Android (android.graphics.Color)	4279622131 (0xFF15D9F3)
YUV	161.3600, 40.2485, -123.0957
Hunter-Lab	75.0041, -32.9691, -21.3888

Details

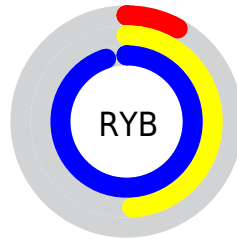
The XYZ color **41.2998, 56.2562, 93.4758** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **38.1165, 21.1455, 2.7840**, and the grayscale version is **33.9104, 35.6764, 38.8516**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **21.8900, 29.4285, 51.5403** is the 20% darker color. If you saturate the color by 10%, you get **40.3609, 54.8372, 93.2525**, and if you desaturate by 10%, it is **42.8288, 58.1441, 93.7607**.

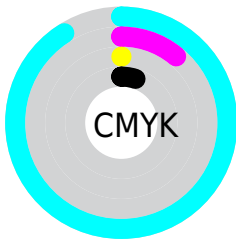
Distribution



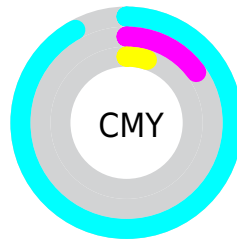
- Red (8%)
- Green (85%)
- Blue (95%)



- Red (8%)
- Yellow (49%)
- Blue (95%)



- Cyan (91%)
- Magenta (11%)
- Yellow (0%)
- Black (5%)



- Cyan (92%)
- Magenta (15%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2998, 56.2562, 93.4758 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 41.2998, 56.2562, 93.4758 by changing the saturation by 10% instead.

41.2998, 56.2562,
93.4758

41.2998, 56.2562,
93.4758

342.6133,
410.6563, 560.1330

28.7421, 40.4084,
70.2772

76.4106, 99.3791,
154.1346

19.0291, 27.8571,
51.2743

99.6945, 127.4229,
192.4318

11.7955, 18.2180,
36.0487

127.2845,
160.3009, 236.5990

6.6758, 11.1066,
24.1818

159.5459,
198.3973, 287.0547

3.3047, 6.1386,
15.2551

196.8441,
242.0967, 344.2174

1.3169, 2.9295,
8.8500

239.5445,

0.1958, 1.0950,

291.7834, 408.5056

4.5480

288.0125,
347.8418, 480.3380

■ 0.0000, 0.0000,
1.9305

■ 0.0000, 0.0000,
0.5121

■ 41.2998, 56.2562,
93.4758

■ 41.2998, 56.2562,
93.4758

■ 40.3609, 54.8372,
93.2525

■ 42.8288, 58.1441,
93.7607

■ 44.9843, 60.3728,
94.0773

■ 47.8600, 62.9916,
94.4312

■ 51.5324, 66.0403,
94.8261

■ 56.0681, 69.5532,
95.2651

■ 61.5269, 73.5612,
95.7510

■ 67.9628, 78.0922,
96.2864

■ 75.4259, 83.1722,
96.8736

■ 83.9628, 88.8253,
97.5148

Harmonies

Analogous

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



38.7597, 56.2562, 66.5297



41.2998, 56.2562, 93.4758



47.1334, 56.2562, 115.1390

Triad

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



41.2998, 56.2562, 93.4758



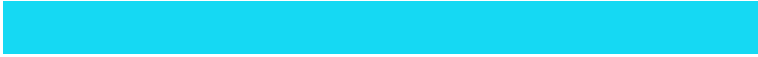
69.9440, 56.2562, 82.1825



51.6980, 56.2562, 25.4058

Complementary

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



41.2998, 56.2562, 93.4758



38.1165, 21.1455, 2.7840

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.



60.3502, 56.2562, 27.5157



41.2998, 56.2562, 93.4758



71.4978, 56.2562, 56.2638

Square

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



41.2998, 56.2562, 93.4758



63.7774, 56.2562, 107.4986



67.8227, 56.2562, 37.4446



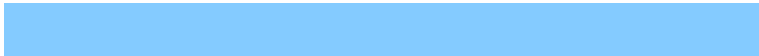
44.3374, 56.2562, 30.6367

Rectangle

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



41.2998, 56.2562, 93.4758



52.4088, 56.2562, 121.1419



67.8227, 56.2562, 37.4446



54.5451, 56.2562, 25.3051

Sweetspot

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



41.3016, 56.2582, 93.4772



71.5772, 84.1600, 107.0797



32.8730, 64.4666, 13.3934



14.8144, 17.6540, 22.8767



0.0000, 0.0000, 0.0000



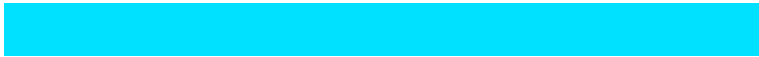
20.3446, 21.4041, 23.3091

Same Dimension

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



41.3016, 56.2582, 93.4772



45.0108, 61.1415, 104.0369



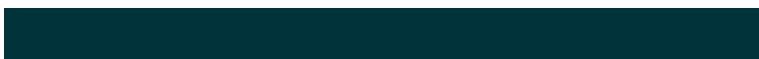
21.6551, 16.9652, 86.9283



16.8213, 18.4069, 21.2089



22.2163, 30.2265, 51.2014



1.9986, 2.7486, 4.5154

Inverse Universe

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



49.7563, 24.6027, 67.7739



54.8485, 26.7034, 73.5916



49.3111, 43.5346, 6.5156



17.1251, 16.7329, 20.4055



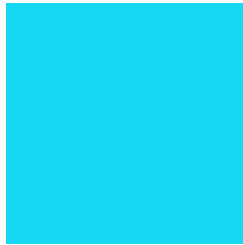
27.0183, 13.1508, 36.4003



2.3978, 1.1651, 3.3214

Previews

White Background



This preview shows how the XYZ color 41.2998, 56.2562, 93.4758 looks on a white background.

Color Contrast Check

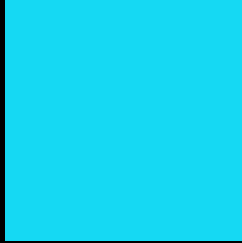
Large Text (above 18pt) WCAG AA × Fail

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 41.2998, 56.2562, 93.4758 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 41.2998, 56.2562, 93.4758

Background



This preview shows how black text looks on a background with the XYZ color 41.2998, 56.2562, 93.4758.



This preview shows how white text looks on a background with the XYZ color 41.2998, 56.2562,

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

41.2998, 56.2562, 93.4758

Protanopia

54.5306, 55.1322, 81.1663

Deuteranopia

56.6876, 55.2302, 97.2953



Tritanopia

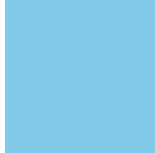
40.2117, 56.1989, 88.0850

Trichromacy



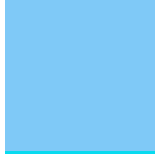
Original Color

41.2998, 56.2562, 93.4758



Protanomaly

44.8818, 52.7914, 84.9150



Deuteranomaly

46.4275, 53.0007, 95.7789



Tritanomaly

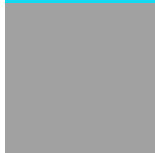
40.7515, 56.4264, 90.4049

Monochromacy



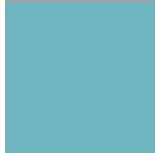
Original Color

41.2998, 56.2562, 93.4758



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

32.3583, 40.1243, 55.3295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2998, 56.2562, 93.4758 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(21, 217, 243)` looks like.

```
.text, #text, p{  
    color:rgb(21, 217, 243)  
}
```

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(21, 217, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 217, 243) }
```

Border

The CSS property to change the border of an element to XYZ 41.2998, 56.2562, 93.4758 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(21, 217, 243) }
```


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

```
.border{ border-color:rgb(21, 217, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 217, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 217, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 217, 243);  
box-shadow:4px 4px 4px 4px rgb(21, 217,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2998, 56.2562, 93.4758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 217, 243) }
```

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

```
.background{ background-color: rgb(21, 217,  
243) }
```

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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