

Converting Colors

XYZ(42.4068, 56.9635, 87.3572)

Have a look what the booklet for
XYZ(42.4068, 56.9635, 87.3572)
contains.

XYZ(42.4068, 56.9635, 87.3572)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.4068, 56.9635,
87.3572)**

Conversions

Conversions Part 1

Format	Color
Hex	47D9EB
RGB	71, 217, 235
RGB Percent	28%, 85%, 92%
CMY	0.7215, 0.1490, 0.0784
CMYK	0.70, 0.08, 0.00, 0.08
HSL	187°, 80%, 60%
HSV	187°, 70%, 92%
XYZ	42.4068, 56.9635, 87.3572
YIQ	175.3980, -92.7940, -25.3540

Conversions

Conversions Part 2

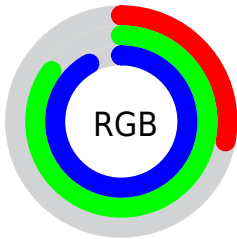
Format	Color
RYB	71, 148, 235
Decimal	4708843
CIELab	80.16, -32.42, -20.05
CIELCh	80, 38.115, 211.739
Yxy	56.9635, 0.2271, 0.3051
Android (android.graphics.Color)	4282898923 (0xFF47D9EB)
YUV	175.3980, 29.3838, -91.5570
Hunter-Lab	75.4742, -31.7857, -15.7930

Details

The XYZ color **42.4068, 56.9635, 87.3572** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **38.9722, 25.2637, 8.7853**, and the grayscale version is **40.8429, 42.9699, 46.7943**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **21.0570, 29.0953, 47.1540** is the 20% darker color. If you saturate the color by 10%, you get **40.3456, 54.9229, 87.0730**, and if you desaturate by 10%, it is **45.1480, 59.3725, 87.6788**.

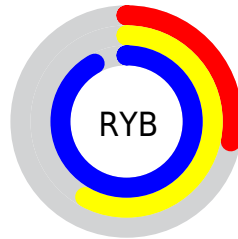
Distribution



Red (28%)

Green (85%)

Blue (92%)



Red (28%)

Yellow (58%)

Blue (92%)

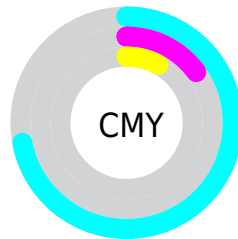


Cyan (70%)

Magenta (8%)

Yellow (0%)

Black (8%)



Cyan (72%)

Magenta (15%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4068, 56.9635, 87.3572 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 42.4068, 56.9635, 87.3572 by changing the saturation by 10% instead.

42.4068, 56.9635,
87.3572

42.4068, 56.9635,
87.3572

347.1295,
413.3125, 539.7426

29.6125, 40.9759,
65.2295

78.0762, 100.4119,
145.5652

19.6912, 28.3003,
47.1947

101.6820,
128.6416, 182.4826

12.2778, 18.5521,
32.8342

129.6224,
161.7207, 225.1669

7.0067, 11.3471,
21.7293

162.2626,
200.0337, 274.0368

3.5126, 6.3008,
13.4618

199.9681,
243.9650, 329.5108

1.4303, 3.0288,
7.6128

243.1042,

0.2777, 1.1468,

293.8990, 392.0074

3.7640

292.0362,
350.2200, 461.9451

■ 0.0000, 0.0176,
1.4968

■ 0.0000, 0.0000,
0.2155

■ 42.4068, 56.9635,
87.3572

■ 42.4068, 56.9635,
87.3572

■ 40.3456, 54.9229,
87.0730

■ 45.1480, 59.3725,
87.6788

■ 38.8773, 53.2020,
86.8183


■ 48.6325, 62.1790,
88.0368


■ 37.8677, 51.7330,
86.5879

■ 52.9224, 65.4162,
88.4356


■ 37.8476, 51.7022,
86.5830


■ 58.0716, 69.1121,
88.8775

 64.1295, 73.2921,
89.3651

 71.1417, 77.9798,
89.9003

 79.1504, 83.1971,
90.4853

 86.7044, 88.1958,
91.0520

 87.4592, 89.7055,
91.3036

Harmonies

Analogous

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



40.5427, 56.9635, 63.3304



42.4068, 56.9635, 87.3572



47.3732, 56.9635, 107.8458

Triad

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



42.4068, 56.9635, 87.3572



68.3925, 56.9635, 84.5631



53.6902, 56.9635, 28.3389

Complementary

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



42.4068, 56.9635, 87.3572



38.9722, 25.2637, 8.7853

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.



61.5269, 56.9635, 31.4602



42.4068, 56.9635, 87.3572



70.4860, 56.9635, 60.7348

Square

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



42.4068, 56.9635, 87.3572



62.3856, 56.9635, 105.9801



67.8643, 56.9635, 42.1327



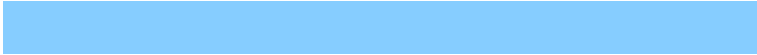
46.6588, 56.9635, 32.2929

Rectangle

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



42.4068, 56.9635, 87.3572



52.0241, 56.9635, 114.7183



67.8643, 56.9635, 42.1327



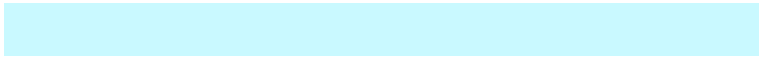
56.3168, 56.9635, 28.5913

Sweetspot

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



42.4086, 56.9656, 87.3586



76.1722, 87.5273, 107.4875



34.0451, 61.4523, 19.1719



15.8558, 18.4276, 22.9711



0.0000, 0.0000, 0.0000



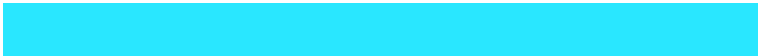
20.3446, 21.4041, 23.3091

Same Dimension

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



42.4086, 56.9656, 87.3586



47.6701, 65.1146, 104.6636



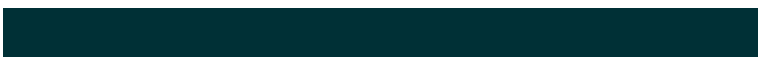
26.4848, 25.1180, 82.0506



15.3683, 16.8230, 19.3594



21.1219, 28.8908, 48.2062



1.6990, 2.3494, 3.7988

Inverse Universe

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



49.0401, 27.1801, 68.3094



56.5194, 28.6294, 78.5128



49.6625, 46.6443, 12.3488



15.6394, 15.2836, 18.6526



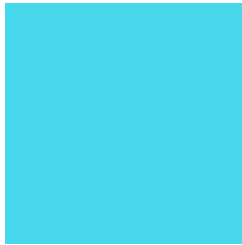
25.5167, 12.4094, 34.8517



2.0241, 0.9826, 2.8440

Previews

White Background



This preview shows how the XYZ color 42.4068, 56.9635, 87.3572 looks on a white background.

Color Contrast Check

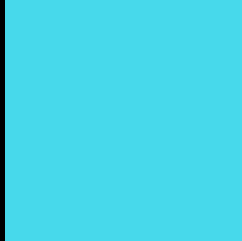
Large Text (above 18pt) WCAG AA × Fail

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 42.4068, 56.9635, 87.3572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

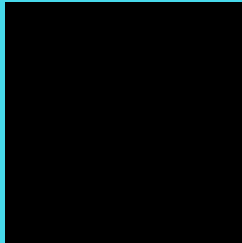
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4068, 56.9635, 87.3572

Background



This preview shows how black text looks on a background with the XYZ color 42.4068, 56.9635, 87.3572.

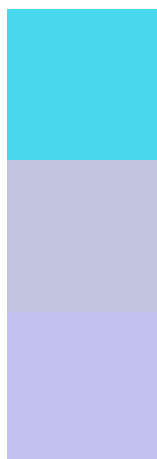


This preview shows how white text looks on a background with the XYZ color 42.4068, 56.9635,

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

42.4068, 56.9635, 87.3572

Protanopia

55.0392, 56.1696, 76.3476

Deuteranopia

57.3038, 56.0333, 90.2333



Tritanopia

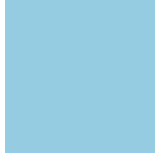
42.4068, 56.9635, 87.3572

Trichromacy



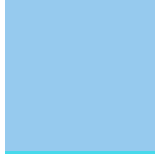
Original Color

42.4068, 56.9635, 87.3572



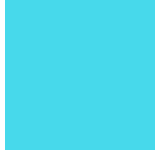
Protanomaly

47.7148, 55.0663, 80.0655



Deuteranomaly

49.1308, 54.8981, 88.8958



Tritanomaly

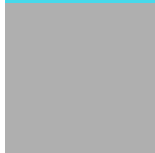
42.4068, 56.9635, 87.3572

Monochromacy



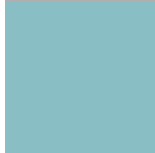
Original Color

42.4068, 56.9635, 87.3572



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.8080, 46.1765, 59.6909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4068, 56.9635, 87.3572 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, 217, 235)` looks like.

```
.text, #text, p{  
    color:rgb(71, 217, 235)  
}
```

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, 217, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 217, 235) }
```

Border

The CSS property to change the border of an element to XYZ 42.4068, 56.9635, 87.3572 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, 217, 235) }
```


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

```
.border{ border-color:rgb(71, 217, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 217, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 217, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 217, 235);  
box-shadow:4px 4px 4px 4px rgb(71, 217,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4068, 56.9635, 87.3572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 217, 235) }
```

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

```
.background{ background-color: rgb(71, 217,  
235) }
```

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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