

Converting Colors

XYZ(41.7910, 56.2812, 86.5026)

Have a look what the booklet for
XYZ(41.7910, 56.2812, 86.5026)
contains.

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Color

**XYZ(41.7910, 56.2812,
86.5026)**

Conversions

Conversions Part 1

Format	Color
Hex	44D8EA
RGB	68, 216, 234
RGB Percent	27%, 85%, 92%
CMY	0.7333, 0.1529, 0.0823
CMYK	0.71, 0.08, 0.00, 0.08
HSL	187°, 80%, 59%
HSV	187°, 71%, 92%
XYZ	41.7910, 56.2812, 86.5026
YIQ	173.8000, -93.9860, -25.7780

Conversions

Conversions Part 2

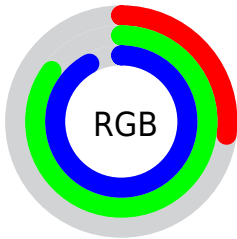
Format	Color
R _Y B	68, 146, 234
Decimal	4511978
CIE Lab	79.77, -32.61, -20.11
CIE LCh	80, 38.312, 211.656
Yxy	56.2812, 0.2264, 0.3049
Android (android.graphics.Color)	4282702058 (0xFF44D8EA)
YUV	173.8000, 29.6786, -92.7866
Hunter-Lab	75.0208, -31.8514, -15.8497

Details

The XYZ color **41.7910, 56.2812, 86.5026** 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 **38.3043, 24.5670, 8.1935**, and the grayscale version is **40.0189, 42.1029, 45.8501**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **20.7808, 28.7041, 46.5647** is the 20% darker color. If you saturate the color by 10%, you get **39.8282, 54.3129, 86.2272**, and if you desaturate by 10%, it is **44.4182, 58.6092, 86.8145**.

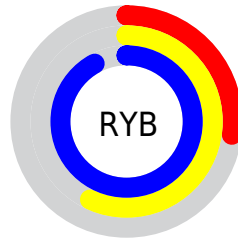
Distribution



Red (27%)

Green (85%)

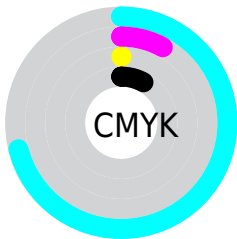
Blue (92%)



Red (27%)

Yellow (57%)

Blue (92%)

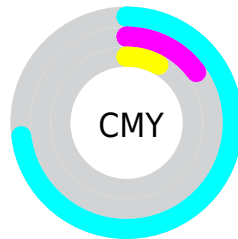


Cyan (71%)

Magenta (8%)

Yellow (0%)

Black (8%)



Cyan (73%)

Magenta (15%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7910, 56.2812, 86.5026 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 41.7910, 56.2812, 86.5026 by changing the saturation by 10% instead.

41.7910, 56.2812,
86.5026

41.7910, 56.2812,
86.5026

344.6222,
410.7504, 536.8607

29.1281, 40.4284,
64.5264

77.1504, 99.4156,
144.3634

19.3225, 27.8727,
46.6282

100.5775,
127.4660, 181.0850

12.0089, 18.2297,
32.3896

128.3234,
160.3511, 223.5589

6.8220, 11.1151,
21.3920

160.7535,
198.4552, 272.2036

3.3964, 6.1443,
13.2168

198.2330,
242.1629, 327.4376

1.3667, 2.9330,
7.4455

241.1274,

0.2323, 1.0969,

291.8583, 389.6794

3.6596

289.8020,
347.9260, 459.3476

■ 0.0000, 0.0000,
1.4405

■ 0.0000, 0.0000,
0.1730

■ 41.7910, 56.2812,
86.5026

■ 41.7910, 56.2812,
86.5026

■ 39.8282, 54.3129,
86.2272

■ 44.4182, 58.6092,
86.8145


■ 38.4418, 52.6555,
85.9803


■ 47.7738, 61.3265,
87.1622

■ 37.5610, 51.3597,
85.7766


■ 51.9199, 64.4664,
87.5497


■ 56.9105, 68.0568,
87.9797

 62.7951, 72.1231,
88.4544

 69.6190, 76.6889,
88.9760

 77.4245, 81.7761,
89.5466

 86.1737, 87.3650,
90.1642

 86.9107, 88.8390,
90.4099

Harmonies

Analogous

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



39.9445, 56.2812, 62.5213



41.7910, 56.2812, 86.5026



46.7295, 56.2812, 107.0087

Triad

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



41.7910, 56.2812, 86.5026



67.7015, 56.2812, 83.8443



53.0644, 56.2812, 27.7680

Complementary

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



41.7910, 56.2812, 86.5026



38.3043, 24.5670, 8.1935

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.



60.8808, 56.2812, 30.8841



41.7910, 56.2812, 86.5026



69.8048, 56.2812, 60.0565

Square

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



41.7910, 56.2812, 86.5026



61.6969, 56.2812, 105.2315



67.1992, 56.2812, 41.5103



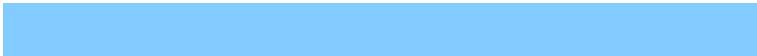
46.0517, 56.2812, 31.6712

Rectangle

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



41.7910, 56.2812, 86.5026



51.3612, 56.2812, 113.9128



67.1992, 56.2812, 41.5103



55.6842, 56.2812, 28.0246

Sweetspot

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



41.7928, 56.2833, 86.5040



76.1941, 87.5711, 107.4948



33.4320, 60.7254, 18.4723



15.8611, 18.4382, 22.9729



0.0000, 0.0000, 0.0000



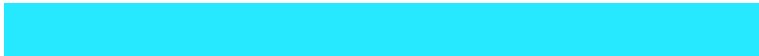
20.3446, 21.4041, 23.3091

Same Dimension

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



41.7928, 56.2833, 86.5040



47.5741, 65.0679, 104.6597



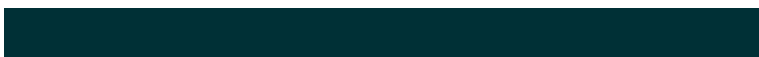
25.8175, 24.3327, 81.1789



15.3701, 16.8266, 19.3600



21.1639, 28.9747, 48.2202



1.7018, 2.3551, 3.7998

Inverse Universe

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



48.3949, 26.5862, 67.5489



56.4354, 28.4600, 78.4896



48.9056, 45.7697, 11.7273



15.6403, 15.2840, 18.6573



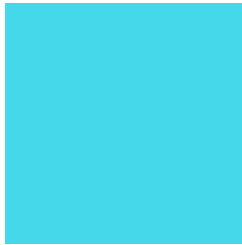
25.5378, 12.4178, 34.9632



2.0255, 0.9832, 2.8517

Previews

White Background



This preview shows how the XYZ color 41.7910, 56.2812, 86.5026 looks on a white background.

Color Contrast Check

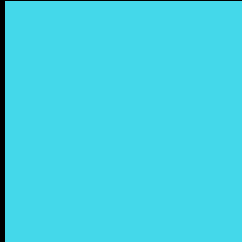
Large Text (above 18pt) WCAG AA × Fail

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 41.7910, 56.2812, 86.5026 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 41.7910, 56.2812, 86.5026

Background



This preview shows how black text looks on a background with the XYZ color 41.7910, 56.2812, 86.5026.

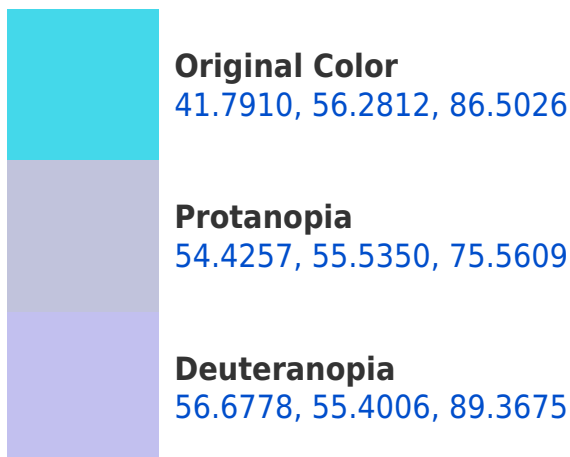


This preview shows how white text looks on a background with the XYZ color 41.7910, 56.2812,

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





Tritanopia

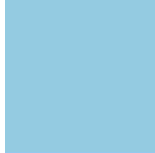
41.7910, 56.2812, 86.5026

Trichromacy



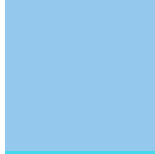
Original Color

41.7910, 56.2812, 86.5026



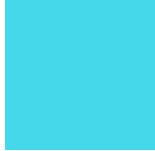
Protanomaly

47.1593, 54.4440, 79.2573



Deuteranomaly

48.3854, 54.1836, 88.0291



Tritanomaly

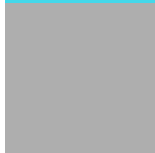
41.7910, 56.2812, 86.5026

Monochromacy



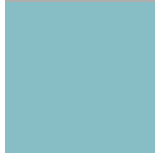
Original Color

41.7910, 56.2812, 86.5026



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.1531, 45.5316, 59.0022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7910, 56.2812, 86.5026 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(68, 216, 234)` looks like.

```
.text, #text, p{  
    color:rgb(68, 216, 234)  
}
```

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(68, 216, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 216, 234) }
```

Border

The CSS property to change the border of an element to XYZ 41.7910, 56.2812, 86.5026 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(68, 216, 234) }
```


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

```
.border{ border-color:rgb(68, 216, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 216, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 216, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 216, 234);  
box-shadow:4px 4px 4px 4px rgb(68, 216,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7910, 56.2812, 86.5026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 216, 234) }
```

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

```
.background{ background-color: rgb(68, 216,  
234) }
```

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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