

Converting Colors

XYZ(30.8109, 41.1896, 55.0417)

Have a look what the booklet for
XYZ(30.8109, 41.1896, 55.0417)
contains.

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Color

**XYZ(30.8109, 41.1896,
55.0417)**

Conversions

Conversions Part 1

Format	Color
Hex	55BBBE
RGB	85, 187, 190
RGB Percent	33%, 73%, 75%
CMY	0.6666, 0.2667, 0.2549
CMYK	0.55, 0.02, 0.00, 0.25
HSL	182°, 45%, 54%
HSV	182°, 55%, 75%
XYZ	30.8109, 41.1896, 55.0417
YIQ	156.8440, -61.7550, -20.6910

Conversions

Conversions Part 2

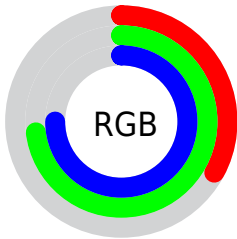
Format	Color
RYB	85, 137, 190
Decimal	5618622
CIELab	70.31, -28.55, -10.51
CIELCh	70, 30.422, 200.218
Yxy	41.1896, 0.2425, 0.3242
Android (android.graphics.Color)	4283808702 (0xFF55BBBE)
YUV	156.8440, 16.3459, -63.0072
Hunter-Lab	64.1791, -26.6198, -5.9233

Details

The XYZ color **30.8109, 41.1896, 55.0417** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.3655, 18.5834, 10.7928**, and the grayscale version is **31.9277, 33.5904, 36.5799**.

A 20% lighter version of the original color is **60.4868, 77.2845, 98.9182**, and **12.9154, 18.5877, 26.5740** is the 20% darker color. If you saturate the color by 10%, you get **29.1976, 40.1883, 54.9342**, and if you desaturate by 10%, it is **32.8902, 42.4337, 55.1730**.

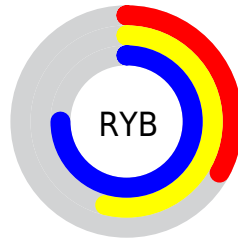
Distribution



Red (33%)

Green (73%)

Blue (75%)



Red (33%)

Yellow (54%)

Blue (75%)

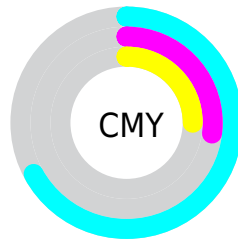


Cyan (55%)

Magenta (2%)

Yellow (0%)

Black (25%)



Cyan (67%)

Magenta (27%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8109, 41.1896, 55.0417 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 30.8109, 41.1896, 55.0417 by changing the saturation by 10% instead.

■ 30.8109, 41.1896,
55.0417

■ 30.8109, 41.1896,
55.0417

297.5087,
351.1124, 423.3564

■ 20.6060, 28.4673,
39.0363

■ 60.3201, 76.9716,
99.0738

■ 12.9471, 18.6782,
26.4799

■ 80.3551, 100.8001,
127.9376

■ 7.4689, 11.4380,
16.9540

■ 104.3976,
129.0994, 161.9246

■ 3.8060, 6.3622,
10.0401

■ 132.8128,
162.2540, 201.4533

■ 1.5930, 3.0666,
5.3196

165.9662,
200.6482, 246.9423

■ 0.3878, 1.1666,
2.3740

204.2230,

■ 0.0000, 0.0342,

244.6664, 298.8101

0.7722

247.9487,
294.6930, 357.4753

■ 0.0000, 0.0000,
0.0000

■ 30.8109, 41.1896,
55.0417

■ 30.8109, 41.1896,
55.0417

■ 29.1976, 40.1883,
54.9342

■ 32.8902, 42.4337,
55.1730

■ 28.0085, 39.4054,
54.8457

■ 35.4656, 43.9332,
55.3267

■ 27.2010, 38.8198,
54.7753

■ 38.5690, 45.7056,
55.5052

■ 26.7211, 38.4037,
54.7203

■ 42.2284, 47.7652,
55.7099

■ 26.5547, 38.2383,
54.6971

■ 46.4702, 50.1257,
55.9419

■ 51.3187, 52.7997,
56.2025

■ 56.7972, 55.7991,
56.4927

■ 62.9275, 59.1351,
56.8135

■ 69.3591, 62.6271,
57.1486

Harmonies

Analogous

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



30.4271, 41.1896, 40.3357



30.8109, 41.1896, 55.0417



33.3200, 41.1896, 69.4810

Triad

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



30.8109, 41.1896, 55.0417



47.0037, 41.1896, 64.8513



40.8040, 41.1896, 22.8367

Complementary

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



30.8109, 41.1896, 55.0417



26.3655, 18.5834, 10.7928

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.



45.6221, 41.1896, 26.8576



30.8109, 41.1896, 55.0417



49.3973, 41.1896, 49.6859

Square

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



30.8109, 41.1896, 55.0417



42.5633, 41.1896, 75.9277



48.8712, 41.1896, 35.9984



35.9232, 41.1896, 23.6724

Rectangle

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



30.8109, 41.1896, 55.0417



35.9881, 41.1896, 76.0294



48.8712, 41.1896, 35.9984



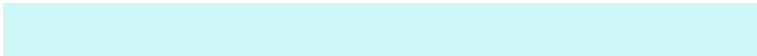
42.4907, 41.1896, 23.6256

Sweetspot

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



30.8121, 41.1912, 55.0427



75.1036, 85.7613, 100.8743



23.8709, 39.4432, 15.3197



16.1869, 18.6610, 22.1341



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



30.8121, 41.1912, 55.0427



52.4649, 72.5410, 99.5157



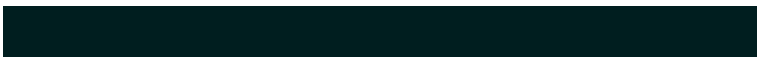
21.8107, 23.1883, 52.0422



9.7846, 10.7615, 12.2337



17.6674, 25.4465, 36.3734



0.6995, 1.0116, 1.4272

Inverse Universe

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



33.4544, 21.0331, 49.3119



57.7899, 32.6461, 87.8026



32.1448, 30.1420, 12.7192



9.9179, 9.6915, 11.9565



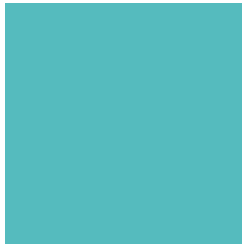
19.9185, 9.5985, 31.1938



0.7840, 0.3775, 1.2416

Previews

White Background



This preview shows how the XYZ color 30.8109, 41.1896, 55.0417 looks on a white background.

Color Contrast Check

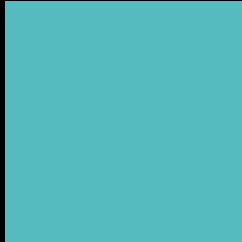
Large Text (above 18pt) WCAG AA × Fail

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 30.8109, 41.1896, 55.0417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

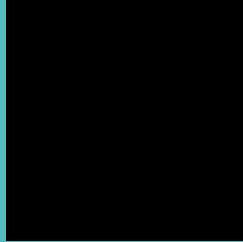
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8109, 41.1896, 55.0417

Background



This preview shows how black text looks on a background with the XYZ color 30.8109, 41.1896, 55.0417.

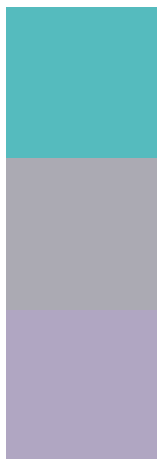


This preview shows how white text looks on a background with the XYZ color 30.8109, 41.1896,

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

30.8109, 41.1896, 55.0417

Protanopia

39.3060, 40.6621, 48.4247

Deuteranopia

41.2783, 40.3976, 56.6608



Tritanopia

31.8941, 40.9919, 60.8748

Trichromacy



Original Color

30.8109, 41.1896, 55.0417

Protanomaly

34.8878, 40.0450, 50.6904

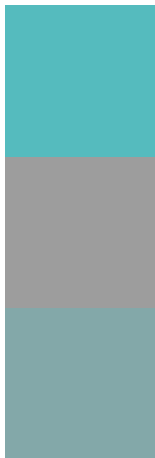
Deuteranomaly

36.0894, 39.9620, 56.2634

Tritanomaly

31.5472, 41.1780, 58.5100

Monochromacy



Original Color

30.8109, 41.1896, 55.0417

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.5241, 35.6951, 42.8172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8109, 41.1896, 55.0417 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(85, 187, 190)` looks like.

```
.text, #text, p{  
    color:rgb(85, 187, 190)  
}
```

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(85, 187, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 187, 190) }
```

Border

The CSS property to change the border of an element to XYZ 30.8109, 41.1896, 55.0417 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(85, 187, 190) }
```


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

```
.border{ border-color:rgb(85, 187, 190) }
```

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

Here you see how a box with a 4 pixel rgb(85, 187, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 187, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 187, 190);  
box-shadow:4px 4px 4px 4px rgb(85, 187,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8109, 41.1896, 55.0417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 187, 190) }
```

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

```
.background{ background-color: rgb(85, 187,  
190) }
```

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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