

Converting Colors

XYZ(42.0402, 55.8568, 80.5185)

Have a look what the booklet for
XYZ(42.0402, 55.8568, 80.5185)
contains.

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Color

**XYZ(41.9905, 55.7578,
80.5007)**

Conversions

Conversions Part 1

Format	Color
Hex	5AD6E2
RGB	90, 214, 226
RGB Percent	35%, 84%, 89%
CMY	0.6470, 0.1608, 0.1137
CMYK	0.60, 0.05, 0.00, 0.11
HSL	185°, 70%, 62%
HSV	185°, 60%, 89%
XYZ	41.9905, 55.7578, 80.5007
YIQ	178.2920, -77.7560, -22.5560

Conversions

Conversions Part 2

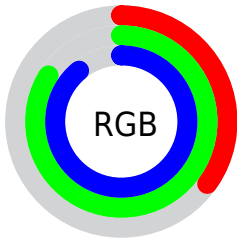
Format	Color
RYB	90, 155, 226
Decimal	5953250
CIELab	79.48, -30.72, -16.23
CIELCh	79, 34.749, 207.850
Yxy	55.7578, 0.2356, 0.3128
Android (android.graphics.Color)	4284143330 (0xFF5AD6E2)
YUV	178.2920, 23.5200, -77.4321
Hunter-Lab	74.6711, -30.2970, -11.6490

Details

The XYZ color **41.9905, 55.7578, 80.5007** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **37.9621, 26.4111, 12.7715**, and the grayscale version is **42.3821, 44.5893, 48.5578**.

A 20% lighter version of the original color is **66.7589, 85.4154, 107.5760**, and **19.7488, 27.7365, 42.8409** is the 20% darker color. If you saturate the color by 10%, you get **39.6162, 53.7905, 80.2471**, and if you desaturate by 10%, it is **45.0425, 58.0861, 80.7903**.

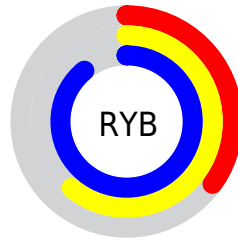
Distribution



Red (35%)

Green (84%)

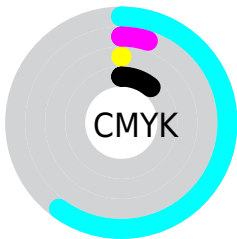
Blue (89%)



Red (35%)

Yellow (61%)

Blue (89%)

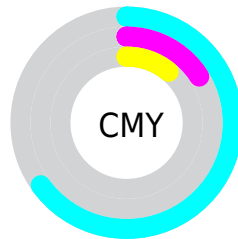


Cyan (60%)

Magenta (5%)

Yellow (0%)

Black (11%)



Cyan (65%)

Magenta (16%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9905, 55.7578, 80.5007 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 41.9905, 55.7578, 80.5007 by changing the saturation by 10% instead.

41.9905, 55.7578,
80.5007

41.9905, 55.7578,
80.5007

345.4359,
408.7781, 516.3698

29.2849, 40.0088,
59.6019

77.4505, 98.6504,
135.8872

19.4418, 27.5454,
42.6746

100.9356,
126.5627, 171.2120

12.0959, 17.9832,
29.3004

128.7447,
159.2982, 212.1825

6.8817, 10.9380,
19.0606

161.2430,
197.2414, 259.2172

3.4339, 6.0251,
11.5369

198.7959,
240.7766, 312.7348

1.3871, 2.8604,
6.3105

241.7688,

0.2470, 1.0593,

290.2882, 373.1538

2.9629

290.5270,
346.1605, 440.8926

■ 0.0000, 0.0000,
1.0757

■ 0.0000, 0.0000,
0.0000

■ 41.9905, 55.7578,
80.5007

■ 41.9905, 55.7578,
80.5007

■ 39.6162, 53.7905,
80.2471

■ 45.0425, 58.0861,
80.7903

■ 37.8518, 52.1454,
80.0226

■ 48.8219, 60.7974,
81.1144

■ 36.6243, 50.7863,
79.8250

■ 53.3797, 63.9192,
81.4768

■ 35.8140, 49.6637,
79.6510

■ 58.7608, 67.4747,
81.8794

65.0068, 71.4854,
82.3244

72.1562, 75.9711,
82.8134

80.2455, 80.9507,
83.3482

83.2518, 83.3194,
83.6469

83.8097, 84.4352,
83.8329

Harmonies

Analogous

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



40.6811, 55.7578, 59.2795



41.9905, 55.7578, 80.5007



46.1685, 55.7578, 99.4264

Triad

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



41.9905, 55.7578, 80.5007



65.1940, 55.7578, 83.5545



53.5015, 55.7578, 29.8254

Complementary

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



41.9905, 55.7578, 80.5007



37.9621, 26.4111, 12.7715

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.



60.4658, 55.7578, 33.6305



41.9905, 55.7578, 80.5007



67.5750, 55.7578, 62.1649

Square

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



41.9905, 55.7578, 80.5007



59.5181, 55.7578, 101.4443



65.7741, 55.7578, 44.4631



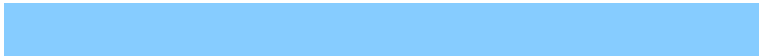
46.9689, 55.7578, 32.6668

Rectangle

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



41.9905, 55.7578, 80.5007



50.2204, 55.7578, 106.5865



65.7741, 55.7578, 44.4631



55.8722, 55.7578, 30.3478

Sweetspot

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



41.9922, 55.7599, 80.5020



78.8545, 89.7533, 107.7758



33.7796, 57.5138, 21.7204



16.3952, 18.8971, 23.0333



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.



41.9922, 55.7599, 80.5020



51.4865, 70.1918, 105.4425



28.3275, 28.4305, 75.9471



14.0078, 15.3546, 17.6131



20.4765, 28.4225, 45.4552



1.4501, 2.0316, 3.1610

Inverse Universe

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



47.1593, 28.3377, 66.6047



59.0695, 32.0378, 84.5786



47.4610, 45.4088, 15.9378



14.2401, 13.9137, 17.0347



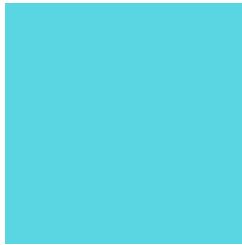
24.2758, 11.7773, 34.4476



1.6982, 0.8225, 2.4695

Previews

White Background



This preview shows how the XYZ color 41.9905, 55.7578, 80.5007 looks on a white background.

Color Contrast Check

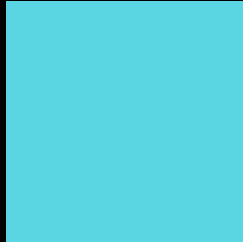
Large Text (above 18pt) WCAG AA × Fail

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 41.9905, 55.7578, 80.5007 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

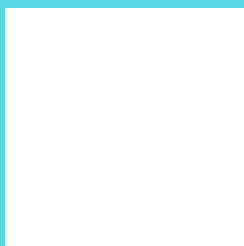
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9905, 55.7578, 80.5007

Background



This preview shows how black text looks on a background with the XYZ color 41.9905, 55.7578, 80.5007.

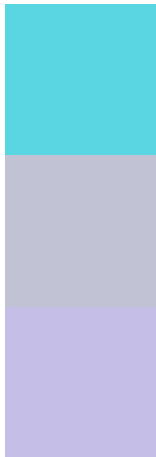


This preview shows how white text looks on a background with the XYZ color 41.9905, 55.7578,

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

41.9905, 55.7578, 80.5007

Protanopia

53.5502, 54.8570, 70.7169

Deuteranopia

56.0806, 54.9014, 83.2426



Tritanopia

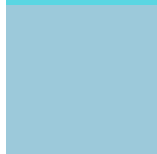
42.6317, 55.6333, 84.0927

Trichromacy



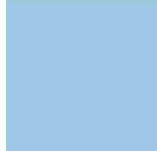
Original Color

41.9905, 55.7578, 80.5007



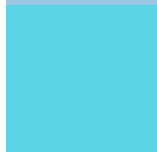
Protanomaly

47.2518, 53.9032, 74.2436



Deuteranomaly

48.6668, 53.7731, 81.9430



Tritanomaly

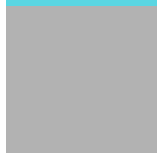
42.2515, 55.4698, 82.6086

Monochromacy



Original Color

41.9905, 55.7578, 80.5007



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.3352, 47.3127, 58.6361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9905, 55.7578, 80.5007 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(90, 214, 226)` looks like.

```
.text, #text, p{  
    color:rgb(90, 214, 226)  
}
```

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(90, 214, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 214, 226) }
```

Border

The CSS property to change the border of an element to XYZ 41.9905, 55.7578, 80.5007 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(90, 214, 226) }
```


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

```
.border{ border-color:rgb(90, 214, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 214, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 214, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 214, 226);  
box-shadow:4px 4px 4px 4px rgb(90, 214,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9905, 55.7578, 80.5007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 214, 226) }
```

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

```
.background{ background-color: rgb(90, 214,  
226) }
```

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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