

Converting Colors

XYZ(41.3574, 55.9706, 77.1823)

Have a look what the booklet for
XYZ(41.3574, 55.9706, 77.1823)
contains.

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Color

**XYZ(41.2821, 55.8476,
77.0105)**

Conversions

Conversions Part 1

Format	Color
Hex	57D7DD
RGB	87, 215, 221
RGB Percent	34%, 84%, 87%
CMY	0.6588, 0.1568, 0.1333
CMYK	0.61, 0.03, 0.00, 0.13
HSL	183°, 66%, 60%
HSV	183°, 61%, 87%
XYZ	41.2821, 55.8476, 77.0105
YIQ	177.4120, -78.2140, -25.2700

Conversions

Conversions Part 2

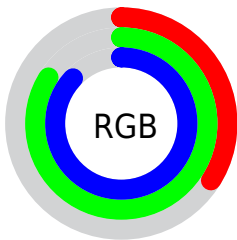
Format	Color
R_{YB}	87, 152, 221
Decimal	5756893
CIE _{Lab}	79.53, -33.10, -13.49
CIE _{LCh}	80, 35.743, 202.178
Yxy	55.8476, 0.2371, 0.3207
Android (android.graphics.Color)	4283946973 (0xFF57D7DD)
YUV	177.4120, 21.4889, -79.2913
Hunter-Lab	74.7313, -32.1750, -8.7864

Details

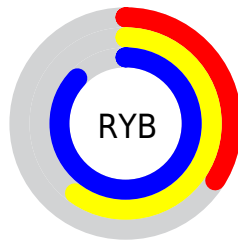
The XYZ color **41.2821, 55.8476, 77.0105** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **35.4547, 23.8903, 11.7610**, and the grayscale version is **41.9283, 44.1119, 48.0378**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **19.4537, 27.8948, 40.4353** is the 20% darker color. If you saturate the color by 10%, you get **39.2753, 54.4414, 76.8459**, and if you desaturate by 10%, it is **43.9252, 57.5865, 77.2079**.

Distribution



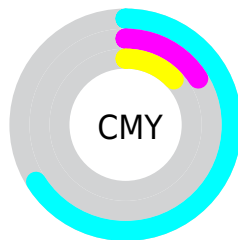
- Red (34%)
- Green (84%)
- Blue (87%)



- Red (34%)
- Yellow (60%)
- Blue (87%)



- Cyan (61%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)



- Cyan (66%)
- Magenta (16%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2821, 55.8476, 77.0105 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 41.2821, 55.8476, 77.0105 by changing the saturation by 10% instead.

41.2821, 55.8476,
77.0105

41.2821, 55.8476,
77.0105

342.5407,
409.1169, 504.2384

28.7282, 40.0807,
56.7499

76.3840, 98.7817,
130.9275

19.0186, 27.6015,
40.3964

99.6626, 126.7178,
165.4209

11.7878, 18.0255,
27.5316

127.2470,
159.4790, 205.4956

6.6705, 10.9683,
17.7369

159.5023,
197.4498, 251.5702

3.3014, 6.0455,
10.5938

196.7940,
241.0147, 304.0633

1.3151, 2.8728,
5.6837

239.4874,

0.1945, 1.0657,

290.5578, 363.3933

2.5881

287.9479,
346.4638, 429.9789

■ 0.0000, 0.0000,
0.8863

■ 0.0000, 0.0000,
0.0000

■ 41.2821, 55.8476,
77.0105

■ 41.2821, 55.8476,
77.0105

■ 39.2753, 54.4414,
76.8459

■ 43.9252, 57.5865,
77.2079

■ 37.8400, 53.3309,
76.7072


■ 47.2518, 59.6788,
77.4364


■ 36.9068, 52.4815,
76.5924


■ 51.3103, 62.1507,
77.6996


■ 36.3726, 51.8630,
76.5012


■ 56.1435, 65.0242,
77.9995

 61.7906, 68.3196,
78.3379

 68.2885, 72.0559,
78.7166

 75.6715, 76.2507,
79.1372

 80.6570, 79.2119,
79.4460

 80.9220, 79.7419,
79.5343

Harmonies

Analogous

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



40.5306, 55.8476, 55.5780



41.2821, 55.8476, 77.0105



45.0479, 55.8476, 97.7481

Triad

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



41.2821, 55.8476, 77.0105



64.7667, 55.8476, 88.4593



54.9852, 55.8476, 29.4156

Complementary

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



41.2821, 55.8476, 77.0105



35.4547, 23.8903, 11.7610

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.



62.0174, 55.8476, 34.5907



41.2821, 55.8476, 77.0105



67.9878, 55.8476, 66.3574

Square

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



41.2821, 55.8476, 77.0105



58.4724, 55.8476, 105.3299



66.9388, 55.8476, 47.0551



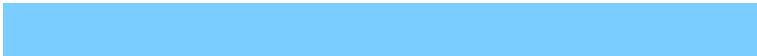
48.0325, 55.8476, 31.0219

Rectangle

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



41.2821, 55.8476, 77.0105



48.9620, 55.8476, 106.8211



66.9388, 55.8476, 47.0551



57.4257, 55.8476, 30.3695

Sweetspot

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



41.2838, 55.8497, 77.0118



79.4808, 91.0059, 107.9846



31.6968, 54.5038, 18.8547



16.5505, 19.2077, 23.0851



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.



41.2838, 55.8497, 77.0118



53.6527, 74.7979, 106.2174



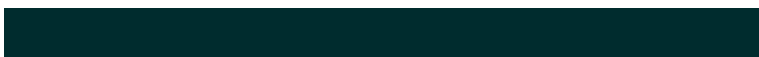
27.8153, 28.9126, 72.5223



13.3923, 14.7244, 16.7884



21.1521, 30.1736, 44.4477



1.3861, 1.9863, 2.8848

Inverse Universe

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



45.4942, 27.0964, 67.1246



60.0961, 32.1927, 90.7730



43.8472, 40.6753, 14.5585



13.5879, 13.2643, 16.3571



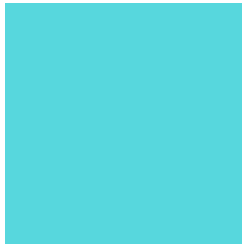
24.1719, 11.6698, 36.8810



1.5739, 0.7592, 2.4312

Previews

White Background



This preview shows how the XYZ color 41.2821, 55.8476, 77.0105 looks on a white background.

Color Contrast Check

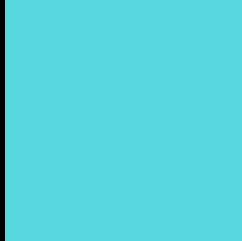
Large Text (above 18pt) WCAG AA × Fail

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 41.2821, 55.8476, 77.0105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

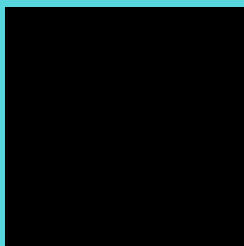
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

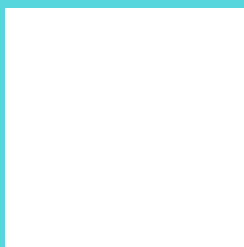
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2821, 55.8476, 77.0105

Background



This preview shows how black text looks on a background with the XYZ color 41.2821, 55.8476, 77.0105.

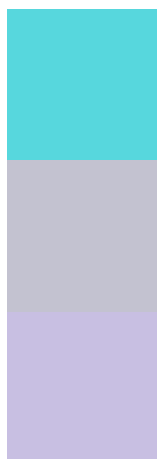


This preview shows how white text looks on a background with the XYZ color 41.2821, 55.8476,

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

41.2821, 55.8476, 77.0105

Protanopia

53.1826, 54.7397, 67.4373

Deuteranopia

56.1777, 55.0320, 79.6129



Tritanopia

42.5324, 55.5822, 84.0880

Trichromacy



Original Color

41.2821, 55.8476, 77.0105

Protanomaly

46.8411, 54.1131, 70.9269

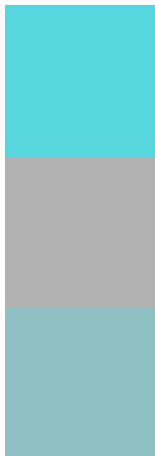
Deuteranomaly

48.4069, 54.0613, 78.4046

Tritanomaly

42.1281, 55.8128, 81.2256

Monochromacy



Original Color

41.2821, 55.8476, 77.0105

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

39.7580, 47.0412, 57.4365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2821, 55.8476, 77.0105 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(87, 215, 221)` looks like.

```
.text, #text, p{  
    color:rgb(87, 215, 221)  
}
```

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(87, 215, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 215, 221) }
```

Border

The CSS property to change the border of an element to XYZ 41.2821, 55.8476, 77.0105 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(87, 215, 221) }
```


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

```
.border{ border-color:rgb(87, 215, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 215, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 215, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 215, 221);  
box-shadow:4px 4px 4px 4px rgb(87, 215,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2821, 55.8476, 77.0105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 215, 221) }
```

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

```
.background{ background-color: rgb(87, 215,  
221) }
```

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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