

Converting Colors

XYZ(52.8012, 55.6806, 84.0485)

Have a look what the booklet for
XYZ(52.8012, 55.6806, 84.0485)
contains.

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Color

**XYZ(52.6641, 55.4445,
84.2701)**

Conversions

Conversions Part 1

Format	Color
Hex	B0C6E8
RGB	176, 198, 232
RGB Percent	69%, 78%, 91%
CMY	0.3098, 0.2235, 0.0902
CMYK	0.24, 0.15, 0.00, 0.09
HSL	216°, 55%, 80%
HSV	216°, 24%, 91%
XYZ	52.6641, 55.4445, 84.2701
YIQ	195.2980, -24.0260, 5.9100

Conversions

Conversions Part 2

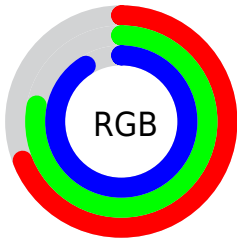
Format	Color
R_{YB}	176, 192, 232
Decimal	11585256
CIE Lab	79.30, -0.09, -19.32
CIE LCh	79, 19.322, 269.736
Yxy	55.4445, 0.2738, 0.2882
Android (android.graphics.Color)	4289775336 (0xFFB0C6E8)
YUV	195.2980, 18.0941, -16.9243
Hunter-Lab	74.4611, -4.0591, -14.9778

Details

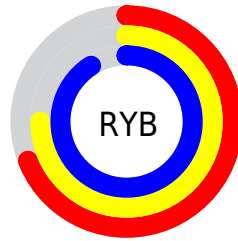
The XYZ color **52.6641, 55.4445, 84.2701** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.1625, 66.3839, 50.5074**, and the grayscale version is **51.9566, 54.6623, 59.5273**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **25.8358, 27.2187, 44.9663** is the 20% darker color. If you saturate the color by 10%, you get **44.7890, 46.8267, 83.0227**, and if you desaturate by 10%, it is **61.7385, 65.1277, 85.6618**.

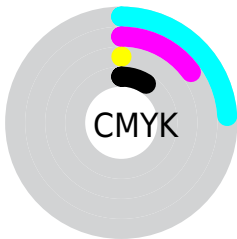
Distribution



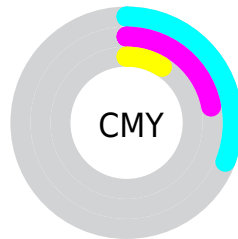
- Red (69%)
- Green (78%)
- Blue (91%)



- Red (69%)
- Yellow (75%)
- Blue (91%)



- Cyan (24%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6641, 55.4445, 84.2701 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 52.6641, 55.4445, 84.2701 by changing the saturation by 10% instead.

■ 52.6641, 55.4445,
84.2701

■ 52.6641, 55.4445,
84.2701

387.2771,
407.5947, 529.2912

■ 37.7611, 39.7577,
62.6918

■ 93.2784, 98.1919,
141.2180

■ 25.9737, 27.3497,
45.1525

119.7203,
126.0213, 177.4247

■ 16.9365, 17.8360,
31.2337

150.7393,
158.6671, 219.3446

■ 10.2843, 10.8323,
20.5170

186.7007,
196.5136, 267.3963

■ 5.6516, 5.9542,
12.5836

227.9698,
239.9452, 321.9982

■ 2.6730, 2.8172,
7.0151

274.9120,

■ 0.9833, 1.0371,

289.3463, 383.5690

3.3929

327.8926,
345.1013, 452.5272

■ 0.0000, 0.0000,
1.2986

■ 0.0000, 0.0000,
0.0607

■ 52.6641, 55.4445,
84.2701

■ 52.6641, 55.4445,
84.2701

■ 44.7890, 46.8267,
83.0227

■ 61.7385, 65.1277,
85.6618

■ 38.0544, 39.2280,
81.9109

■ 72.0572, 75.9070,
87.1986

■ 32.4039, 32.6079,
80.9310

■ 83.6691, 87.8203,
88.8860

■ 27.7739, 26.9206,
80.0772

■ 91.3568, 98.1885,
90.4821

■ 24.0936, 22.1157,
79.3437

■ 91.5657, 98.6063,
90.5517

■ 21.2819, 18.1367,
78.7239

■ 19.2413, 14.9178,
78.2102

■ 18.3197, 13.3343,
77.9531

Harmonies

Analogous

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



49.0385, 55.4445, 80.6967



52.6641, 55.4445, 84.2701



56.4737, 55.4445, 80.8157

Triad

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



52.6641, 55.4445, 84.2701



59.4230, 55.4445, 50.4099



46.5326, 55.4445, 50.2594

Complementary

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



52.6641, 55.4445, 84.2701



64.1625, 66.3839, 50.5074

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.



49.0951, 55.4445, 43.7003



52.6641, 55.4445, 84.2701



56.5358, 55.4445, 43.7794

Square

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



52.6641, 55.4445, 84.2701



60.4902, 55.4445, 60.4678



52.7326, 55.4445, 41.4782



45.6061, 55.4445, 60.2716

Rectangle

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



52.6641, 55.4445, 84.2701



58.5792, 55.4445, 75.2074



52.7326, 55.4445, 41.4782



47.2249, 55.4445, 47.6243

Sweetspot

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



52.6658, 55.4467, 84.2714



85.4249, 90.0499, 107.4867



58.3454, 71.5777, 71.4538



18.1147, 19.0977, 22.9814



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.



52.6658, 55.4467, 84.2714



60.1901, 63.1945, 103.6331



49.2893, 46.7748, 82.7755



14.0450, 14.8114, 18.2630



10.2845, 7.6312, 43.3141



0.8484, 0.7406, 3.2302

Inverse Universe

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



58.9985, 52.2852, 60.4110



69.4199, 58.9864, 68.7676



68.1838, 77.0824, 52.3605



14.6103, 14.4613, 16.1483



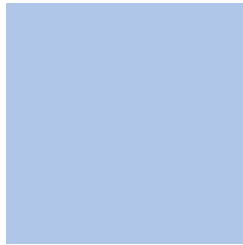
19.5847, 9.9681, 6.7078



1.4918, 0.7544, 0.7306

Previews

White Background



This preview shows how the XYZ color 52.6641, 55.4445, 84.2701 looks on a white background.

Color Contrast Check

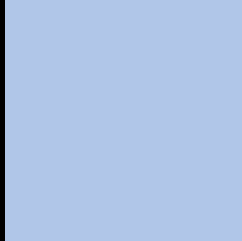
Large Text (above 18pt) WCAG AA × Fail

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 52.6641, 55.4445, 84.2701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

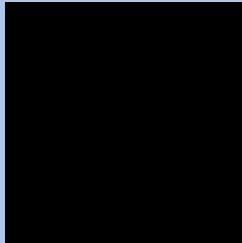
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

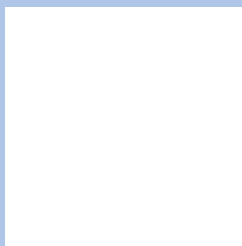
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.6641, 55.4445, 84.2701

Background



This preview shows how black text looks on a background with the XYZ color 52.6641, 55.4445, 84.2701.

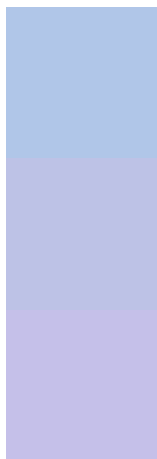


This preview shows how white text looks on a background with the XYZ color 52.6641, 55.4445,

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

52.6641, 55.4445, 84.2701

Protanopia

54.5610, 55.1156, 82.6256

Deuteranopia

56.5836, 55.4528, 84.8120



Tritanopia

50.6446, 55.6673, 73.7212

Trichromacy



Original Color

52.6641, 55.4445, 84.2701

Protanomaly

53.7061, 54.9901, 83.3848

Deuteranomaly

54.9860, 55.2856, 84.8639

Tritanomaly

51.2947, 55.5812, 77.1320

Monochromacy



Original Color

52.6641, 55.4445, 84.2701

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.8641, 54.7253, 67.5040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.6641, 55.4445, 84.2701 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(176, 198, 232)` looks like.

```
.text, #text, p{  
    color:rgb(176, 198, 232)  
}
```

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(176, 198, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 198, 232) }
```

Border

The CSS property to change the border of an element to XYZ 52.6641, 55.4445, 84.2701 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(176, 198, 232) }
```


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

```
.border{ border-color:rgb(176, 198, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 198, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 198, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 198, 232);  
box-shadow:4px 4px 4px 4px rgb(176, 198,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 52.6641, 55.4445, 84.2701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 198, 232) }
```

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

```
.background{ background-color: rgb(176,  
198, 232) }
```

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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