

Converting Colors

XYZ(50.7658, 53.7997, 84.0899)

Have a look what the booklet for
XYZ(50.7658, 53.7997, 84.0899)
contains.

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Color

**XYZ(50.6676, 53.7411,
84.0465)**

Conversions

Conversions Part 1

Format	Color
Hex	A9C4E8
RGB	169, 196, 232
RGB Percent	66%, 77%, 91%
CMY	0.3372, 0.2314, 0.0902
CMYK	0.27, 0.16, 0.00, 0.09
HSL	214°, 58%, 79%
HSV	214°, 27%, 91%
XYZ	50.6676, 53.7411, 84.0465
YIQ	192.0310, -27.6480, 5.4720

Conversions

Conversions Part 2

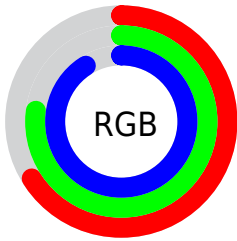
Format	Color
R_{YB}	169, 188, 232
Decimal	11125992
CIE _{Lab}	78.31, -1.10, -20.86
CIE _{LCh}	78, 20.888, 266.995
Yxy	53.7411, 0.2689, 0.2852
Android (android.graphics.Color)	4289316072 (0xFFA9C4E8)
YUV	192.0310, 19.7047, -20.1982
Hunter-Lab	73.3083, -4.9179, -16.6590

Details

The XYZ color **50.6676, 53.7411, 84.0465** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.2721, 63.6834, 46.5476**, and the grayscale version is **50.0226, 52.6276, 57.3115**.

A 20% lighter version of the original color is **84.2266, 93.4781, 108.2116**, and **24.5797, 26.1254, 44.8215** is the 20% darker color. If you saturate the color by 10%, you get **43.2661, 45.6821, 82.8820**, and if you desaturate by 10%, it is **59.2198, 62.7881, 85.3429**.

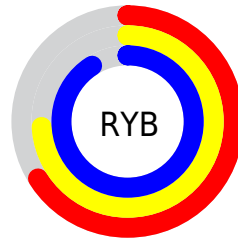
Distribution



Red (66%)

Green (77%)

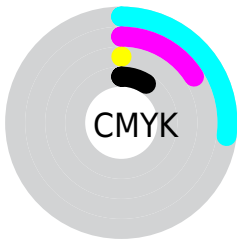
Blue (91%)



Red (66%)

Yellow (74%)

Blue (91%)

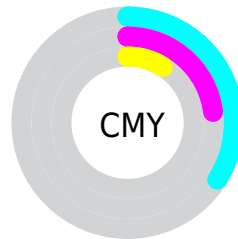


Cyan (27%)

Magenta (16%)

Yellow (0%)

Black (9%)



Cyan (34%)

Magenta (23%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6676, 53.7411, 84.0465 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 50.6676, 53.7411, 84.0465 by changing the saturation by 10% instead.

■ 50.6676, 53.7411,
84.0465

■ 50.6676, 53.7411,
84.0465

379.6799,
401.1220, 528.5297

■ 36.1641, 38.3947,
62.5082

■ 90.3492, 95.6940,
140.9025

■ 24.7317, 26.2892,
45.0050

116.2579,
123.0693, 177.0574

■ 16.0049, 17.0401,
31.1184

146.6992,
155.2230, 218.9214

■ 9.6185, 10.2631,
20.4298

182.0383,
192.5396, 266.9133

■ 5.2071, 5.5737,
12.5207

222.6405,
235.4034, 321.4516

■ 2.4053, 2.5877,
6.9725

268.8713,

■ 0.8477, 0.9205,

284.1988, 382.9547

3.3667

321.0960,
339.3102, 451.8412

■ 0.0000, 0.0000,
1.2848

■ 0.0000, 0.0000,
0.0493

■ 50.6676, 53.7411,
84.0465

■ 50.6676, 53.7411,
84.0465

■ 43.2661, 45.6821,
82.8820

■ 59.2198, 62.7881,
85.3429

■ 36.9568, 38.5669,
81.8411

■ 68.9673, 72.8521,
86.7717

■ 31.6832, 32.3573,
80.9205

■ 79.9587, 83.9686,
88.3381

■ 27.3814, 27.0093,
80.1150

■ 89.6906, 94.8563,
89.9267

■ 23.9796, 22.4744,
79.4189

■ 91.5657, 98.6063,
90.5517

■ 21.3944, 18.6975,
78.8262

■ 19.5193, 15.6108,
78.3292

■ 19.0689, 14.8327,
78.2028

Harmonies

Analogous

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



46.9092, 53.7411, 79.5364



50.6676, 53.7411, 84.0465



54.7373, 53.7411, 80.9960

Triad

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



50.6676, 53.7411, 84.0465



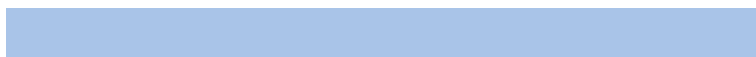
58.4215, 53.7411, 48.8644



44.7565, 53.7411, 47.0709

Complementary

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



50.6676, 53.7411, 84.0465



62.2721, 63.6834, 46.5476

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.



47.5880, 53.7411, 40.6337



50.6676, 53.7411, 84.0465



55.4895, 53.7411, 41.5679

Square

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



50.6676, 53.7411, 84.0465



59.3527, 53.7411, 59.7052



51.4932, 53.7411, 38.7610



43.6128, 53.7411, 57.3406

Rectangle

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



50.6676, 53.7411, 84.0465



57.0565, 53.7411, 75.2827



51.4932, 53.7411, 38.7610



45.5349, 53.7411, 44.4424

Sweetspot

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



50.6693, 53.7432, 84.0477



84.3325, 89.1211, 107.3650



56.2032, 70.5426, 68.2230



17.6432, 18.6579, 22.9214



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.



50.6693, 53.7432, 84.0477



57.1046, 60.4464, 103.2653



46.0326, 43.1106, 82.2398



14.0882, 14.8978, 18.2774



10.7056, 8.4732, 43.4544



0.8818, 0.8074, 3.2413

Inverse Universe

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



57.4319, 49.5187, 58.7580



67.0269, 54.8301, 66.0287



67.9505, 77.0401, 48.8264



14.6321, 14.4700, 16.2631



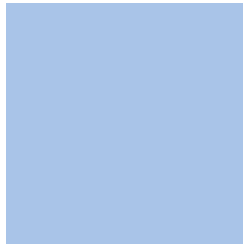
19.7972, 10.0531, 7.8269



1.5087, 0.7612, 0.8193

Previews

White Background



This preview shows how the XYZ color 50.6676, 53.7411, 84.0465 looks on a white background.

Color Contrast Check

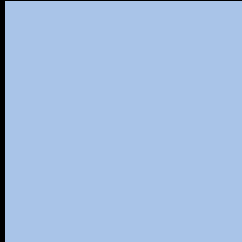
Large Text (above 18pt) WCAG AA × Fail

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 50.6676, 53.7411, 84.0465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

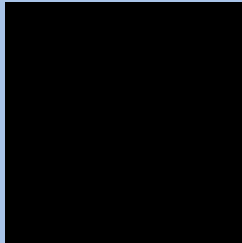
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

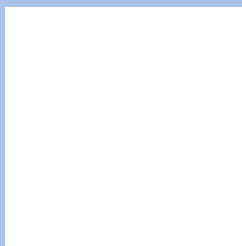
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.6676, 53.7411, 84.0465

Background



This preview shows how black text looks on a background with the XYZ color 50.6676, 53.7411, 84.0465.



This preview shows how white text looks on a background with the XYZ color 50.6676, 53.7411,

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

50.6676, 53.7411, 84.0465

Protanopia

53.2422, 53.7955, 81.7061

Deuteranopia

54.6438, 53.4849, 84.5344



Tritanopia

48.2062, 53.7525, 72.1245

Trichromacy



Original Color

50.6676, 53.7411, 84.0465

Protanomaly

52.1753, 53.5564, 82.4504

Deuteranomaly

53.3248, 53.7728, 84.6595

Tritanomaly

48.9711, 53.7156, 76.1937

Monochromacy



Original Color

50.6676, 53.7411, 84.0465

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

50.0996, 52.8353, 66.5892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6676, 53.7411, 84.0465 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(169, 196, 232)` looks like.

```
.text, #text, p{  
    color:rgb(169, 196, 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(169, 196, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 196, 232) }
```

Border

The CSS property to change the border of an element to XYZ 50.6676, 53.7411, 84.0465 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(169, 196, 232) }
```


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

```
.border{ border-color:rgb(169, 196, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 196, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 196, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 196, 232);  
box-shadow:4px 4px 4px 4px rgb(169, 196,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6676, 53.7411, 84.0465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 196, 232) }
```

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

```
.background{ background-color: rgb(169,  
196, 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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