

Converting Colors

XYZ(54.6705, 65.5370, 89.0678)

Have a look what the booklet for
XYZ(54.6705, 65.5370, 89.0678)
contains.

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Color

**XYZ(54.6649, 65.6038,
89.1385)**

Conversions

Conversions Part 1

Format	Color
Hex	99DFEC
RGB	153, 223, 236
RGB Percent	60%, 87%, 93%
CMY	0.4000, 0.1255, 0.0745
CMYK	0.35, 0.06, 0.00, 0.07
HSL	189°, 69%, 76%
HSV	189°, 35%, 93%
XYZ	54.6649, 65.6038, 89.1385
YIQ	203.5520, -45.8930, -10.7970

Conversions

Conversions Part 2

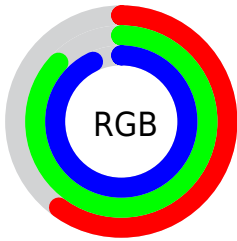
Format	Color
RYB	153, 191, 236
Decimal	10084332
CIELab	84.79, -18.65, -13.31
CIELCh	85, 22.913, 215.525
Yxy	65.6038, 0.2610, 0.3133
Android (android.graphics.Color)	4288274412 (0xFF99DFEC)
YUV	203.5520, 15.9969, -44.3341
Hunter-Lab	80.9962, -21.2724, -8.5529

Details

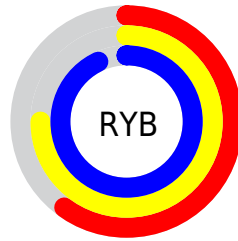
The XYZ color **54.6649, 65.6038, 89.1385** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.9791, 47.4061, 36.4440**, and the grayscale version is **57.0367, 60.0070, 65.3476**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **27.2779, 33.8972, 48.2851** is the 20% darker color. If you saturate the color by 10%, you get **49.6673, 61.5790, 88.6262**, and if you desaturate by 10%, it is **60.5690, 70.1310, 89.7023**.

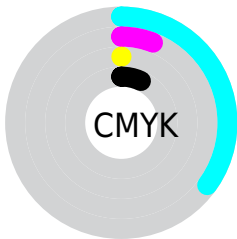
Distribution



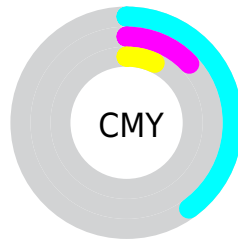
- Red (60%)
- Green (87%)
- Blue (93%)



- Red (60%)
- Yellow (75%)
- Blue (93%)



- Cyan (35%)
- Magenta (6%)
- Yellow (0%)
- Black (7%)




- Cyan (40%)
- Magenta (13%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.6649, 65.6038, 89.1385 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 54.6649, 65.6038, 89.1385 by changing the saturation by 10% instead.


 54.6649, 65.6038,
89.1385


 54.6649, 65.6038,
89.1385


394.7975,
444.9586, 545.7220

 39.3663, 47.9508,
66.6967


 96.2010, 112.9175,
148.0662

 27.2268, 33.7880,
48.3781


 123.1692,
143.3470, 185.3891

 17.8811, 22.7308,
33.7643


154.7579,
178.8042, 228.5095

 10.9638, 14.3948,
22.4367

191.3326,
219.6734, 277.8459

 6.1096, 8.3958,
13.9767

233.2585,
266.3391, 333.8168

 2.9531, 4.3492,
7.9659

280.9011,

 1.1290, 1.8708,

319.1856, 396.8408

3.9857

334.6256,
378.5973, 467.3363

■ 0.0492, 0.5307,
1.6175

■ 0.0000, 0.0000,
0.3033

■ 54.6649, 65.6038,
89.1385

■ 54.6649, 65.6038,
89.1385

■ 49.6673, 61.5790,
88.6262

■ 60.5690, 70.1310,
89.7023

■ 45.5178, 58.0217,
88.1582

■ 67.4215, 75.1778,
90.3152

■ 42.1606, 54.9045,
87.7335

■ 75.2692, 80.7699,
90.9810

■ 39.5305, 52.1935,
87.3488

■ 84.1537, 86.9292,
91.7016

■ 37.5517, 49.8494,
87.0007

■ 87.9790, 90.5131,
92.1918

■ 36.1308, 47.8239,
86.6846

■ 89.0870, 92.7292,
92.5611

■ 35.5740, 46.9231,
86.5401

■ 90.2174, 94.9900,
92.9379

■ 91.3703, 97.2958,
93.3222

■ 92.1405, 98.8362,
93.5789

Harmonies

Analogous

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



53.0412, 65.6038, 74.1862



54.6649, 65.6038, 89.1385



58.3558, 65.6038, 100.3560

Triad

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



54.6649, 65.6038, 89.1385



71.7714, 65.6038, 83.7882



61.4095, 65.6038, 46.8376

Complementary

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



54.6649, 65.6038, 89.1385



53.9791, 47.4061, 36.4440

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.



66.5317, 65.6038, 48.6785



54.6649, 65.6038, 89.1385



72.6987, 65.6038, 68.7456

Square

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



54.6649, 65.6038, 89.1385



68.2643, 65.6038, 96.9823



70.7333, 65.6038, 56.2398



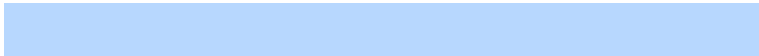
56.7959, 65.6038, 50.8155

Rectangle

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



54.6649, 65.6038, 89.1385



61.5878, 65.6038, 103.4643



70.7333, 65.6038, 56.2398



63.1274, 65.6038, 46.8036

Sweetspot

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



54.6669, 65.6064, 89.1400



84.0874, 92.2921, 107.9900



49.9664, 69.4976, 46.5950



17.7311, 19.5630, 23.0915



0.0000, 0.0000, 0.0000



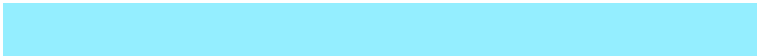
20.3446, 21.4041, 23.3091

Same Dimension

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



54.6669, 65.6064, 89.1400



60.8857, 74.7886, 105.8344



45.0169, 46.3065, 85.9234



15.3051, 16.6967, 19.3384



19.6874, 26.0218, 47.7280



1.6000, 2.1514, 3.7658

Inverse Universe

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



59.3042, 45.9448, 75.5574



67.2804, 48.5949, 86.8984



62.6439, 64.7357, 39.3322



15.6076, 15.2709, 18.4847



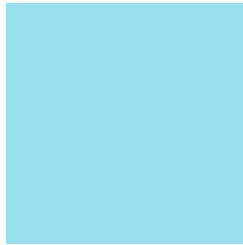
24.7926, 12.1197, 31.0388



1.9741, 0.9626, 2.5810

Previews

White Background



This preview shows how the XYZ color 54.6649, 65.6038, 89.1385 looks on a white background.

Color Contrast Check

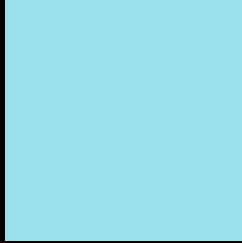
Large Text (above 18pt) WCAG AA × Fail

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 54.6649, 65.6038, 89.1385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

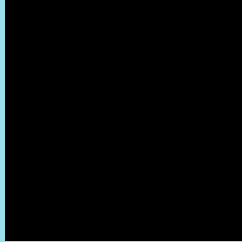
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.6649, 65.6038, 89.1385

Background



This preview shows how black text looks on a background with the XYZ color 54.6649, 65.6038, 89.1385.

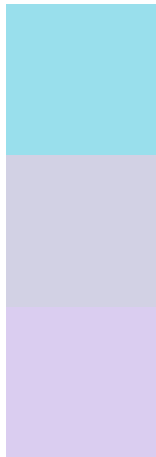


This preview shows how white text looks on a background with the XYZ color 54.6649, 65.6038,

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

54.6649, 65.6038, 89.1385

Protanopia

63.3824, 64.9040, 82.5859

Deuteranopia

66.4729, 64.8593, 91.4537



Tritanopia

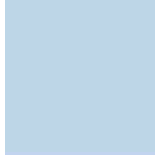
55.1759, 65.4038, 92.1542

Trichromacy



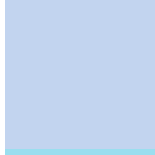
Original Color

54.6649, 65.6038, 89.1385



Protanomaly

59.4566, 64.6815, 84.9524



Deuteranomaly

61.3716, 64.7883, 90.9321



Tritanomaly

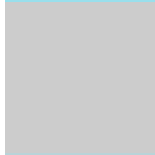
55.0277, 65.3446, 91.3739

Monochromacy



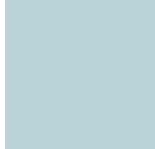
Original Color

54.6649, 65.6038, 89.1385



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

55.6965, 61.8607, 73.9705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.6649, 65.6038, 89.1385 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(153, 223, 236)` looks like.

```
.text, #text, p{  
    color:rgb(153, 223, 236)  
}
```

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(153, 223, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 223, 236) }
```

Border

The CSS property to change the border of an element to XYZ 54.6649, 65.6038, 89.1385 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(153, 223, 236) }
```


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

```
.border{ border-color:rgb(153, 223, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 223, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 223, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 223, 236);  
box-shadow:4px 4px 4px 4px rgb(153, 223,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 54.6649, 65.6038, 89.1385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 223, 236) }
```

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

```
.background{ background-color: rgb(153,  
223, 236) }
```

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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