

Converting Colors

XYZ(53.7554, 64.5790, 84.3998)

Have a look what the booklet for
XYZ(53.7554, 64.5790, 84.3998)
contains.

XYZ(53.6569, 64.3946, 84.4643)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(53.6569, 64.3946,
84.4643)**

Conversions

Conversions Part 1

Format	Color
Hex	9BDDE6
RGB	155, 221, 230
RGB Percent	61%, 87%, 90%
CMY	0.3921, 0.1333, 0.0980
CMYK	0.33, 0.04, 0.00, 0.10
HSL	187°, 60%, 75%
HSV	187°, 33%, 90%
XYZ	53.6569, 64.3946, 84.4643
YIQ	202.2920, -42.2250, -11.1930

Conversions

Conversions Part 2

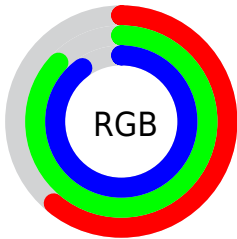
Format	Color
RYB	155, 190, 230
Decimal	10214886
CIELab	84.17, -18.53, -11.06
CIElCh	84, 21.582, 210.824
Yxy	64.3946, 0.2650, 0.3180
Android (android.graphics.Color)	4288404966 (0xFF9BDDE6)
YUV	202.2920, 13.6600, -41.4751
Hunter-Lab	80.2462, -21.0764, -6.2341

Details

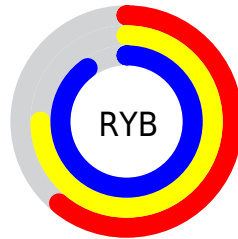
The XYZ color **53.6569, 64.3946, 84.4643** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.8258, 45.7410, 37.1091**, and the grayscale version is **56.2591, 59.1889, 64.4567**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **26.6296, 33.0769, 45.5384** is the 20% darker color. If you saturate the color by 10%, you get **48.9342, 60.8889, 84.0376**, and if you desaturate by 10%, it is **59.2361, 68.3628, 84.9373**.

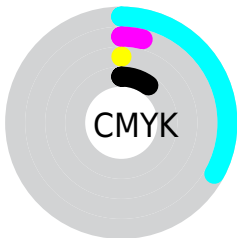
Distribution



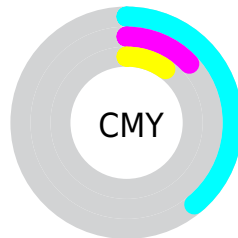
- Red (61%)
- Green (87%)
- Blue (90%)



- Red (61%)
- Yellow (75%)
- Blue (90%)



- Cyan (33%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)





- Cyan (39%)
- Magenta (13%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.6569, 64.3946, 84.4643 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 53.6569, 64.3946, 84.4643 by changing the saturation by 10% instead.


 53.6569, 64.3946,
84.4643


 53.6569, 64.3946,
84.4643


391.0200,
440.6132, 529.9521

 38.5570, 46.9703,
62.8512


 94.7301, 111.1790,
141.4920

 26.5945, 33.0122,
45.2806

 121.4342,
141.3080, 177.7437

 17.4039, 22.1358,
31.3340


152.7370,
176.4407, 219.7120

 10.6200, 13.9567,
20.5927

189.0040,
216.9614, 267.8155

 5.8773, 8.0906,
12.6383

230.6004,
263.2547, 322.4728

 2.8106, 4.1530,
7.0522

277.8916,

 1.0544, 1.7595,

315.7048, 384.1022

3.4158

331.2431,
374.6962, 453.1225

■ 0.0000, 0.4617,
1.3107

■ 0.0000, 0.0000,
0.0705

■ 53.6569, 64.3946,
84.4643

■ 53.6569, 64.3946,
84.4643

■ 48.9342, 60.8889,
84.0376

■ 59.2361, 68.3628,
84.9373

■ 45.0144, 57.8131,
83.6505

■ 65.7102, 72.8086,
85.4542

■ 41.8466, 55.1427,
83.3021

■ 73.1221, 77.7559,
86.0185

■ 39.3716, 52.8469,
82.9894

■ 81.5104, 83.2245,
86.6319

■ 37.5214, 50.8907,
82.7093

■ 85.1744, 86.2758,
87.0277

■ 36.2139, 49.2316,
82.4580

■ 85.9697, 87.8663,
87.2928

■ 35.4996, 48.1463,
82.2861

■ 86.7773, 89.4815,
87.5620

■ 87.5972, 91.1214,
87.8353

■ 88.4296, 92.7861,
88.1128

Harmonies

Analogous

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



52.4790, 64.3946, 70.4934



53.6569, 64.3946, 84.4643



56.8390, 64.3946, 95.6605

Triad

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



53.6569, 64.3946, 84.4643



69.5736, 64.3946, 83.7254



61.0733, 64.3946, 46.9792

Complementary

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



53.6569, 64.3946, 84.4643



51.8258, 45.7410, 37.1091

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.



65.7894, 64.3946, 49.5773



53.6569, 64.3946, 84.4643



70.8487, 64.3946, 69.7375

Square

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



53.6569, 64.3946, 84.4643



66.0295, 64.3946, 95.1964



69.4300, 64.3946, 57.4901



56.6217, 64.3946, 49.8778

Rectangle

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



53.6569, 64.3946, 84.4643



59.7531, 64.3946, 99.3968



69.4300, 64.3946, 57.4901



62.6805, 64.3946, 47.2352

Sweetspot

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



53.6588, 64.3972, 84.4658



85.3147, 93.5440, 108.1670



48.4939, 66.2348, 45.2338



17.9890, 19.8393, 23.1312



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.



53.6588, 64.3972, 84.4658



63.7447, 78.3857, 106.3780



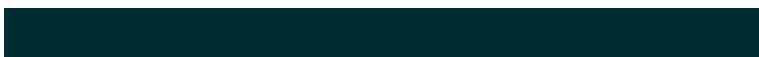
44.8904, 46.8604, 81.5430



14.6521, 16.0256, 18.4653



20.1576, 27.3774, 46.6051



1.5314, 2.1068, 3.4579

Inverse Universe

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



57.4072, 45.4876, 74.1637



69.2412, 51.3614, 91.1131



59.4957, 61.0808, 39.6657



14.9167, 14.5839, 17.7620



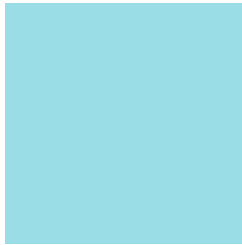
24.5682, 11.9615, 32.9505



1.8366, 0.8924, 2.5461

Previews

White Background



This preview shows how the XYZ color 53.6569, 64.3946, 84.4643 looks on a white background.

Color Contrast Check

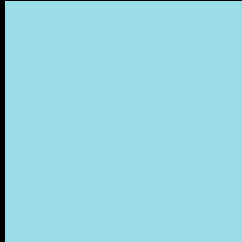
Large Text (above 18pt) WCAG AA × Fail

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 53.6569, 64.3946, 84.4643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

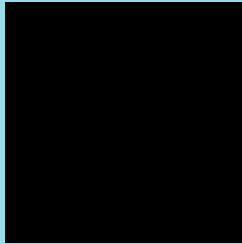
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.6569, 64.3946, 84.4643

Background



This preview shows how black text looks on a background with the XYZ color 53.6569, 64.3946, 84.4643.

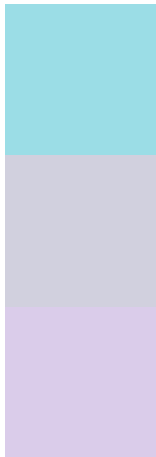


This preview shows how white text looks on a background with the XYZ color 53.6569, 64.3946,

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

53.6569, 64.3946, 84.4643

Protanopia

62.0352, 63.9410, 78.1795

Deuteranopia

65.3576, 64.0317, 86.7565



Tritanopia

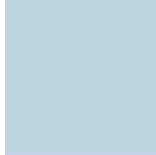
54.7839, 64.4689, 89.6771

Trichromacy



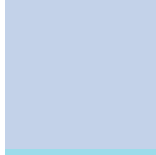
Original Color

53.6569, 64.3946, 84.4643



Protanomaly

58.3711, 63.8436, 80.4807



Deuteranomaly

60.2603, 63.5785, 86.1866



Tritanomaly

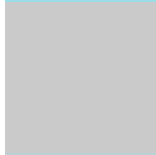
54.1548, 64.1948, 87.3785

Monochromacy



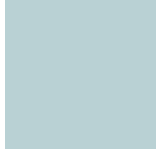
Original Color

53.6569, 64.3946, 84.4643



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

54.6917, 60.6687, 71.1150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6569, 64.3946, 84.4643 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(155, 221, 230)` looks like.

```
.text, #text, p{  
    color:rgb(155, 221, 230)  
}
```

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(155, 221, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 221, 230) }
```

Border

The CSS property to change the border of an element to XYZ 53.6569, 64.3946, 84.4643 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(155, 221, 230) }
```


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

```
.border{ border-color:rgb(155, 221, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 221, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 221, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 221, 230);  
box-shadow:4px 4px 4px 4px rgb(155, 221,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6569, 64.3946, 84.4643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 221, 230) }
```

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

```
.background{ background-color: rgb(155,  
221, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor