

Converting Colors

XYZ(53.3897, 64.0658, 85.8165)

Have a look what the booklet for
XYZ(53.3897, 64.0658, 85.8165)
contains.

XYZ(53.5588, 64.3114, 85.9344)	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(53.5588, 64.3114,
85.9344)**

Conversions

Conversions Part 1

Format	Color
Hex	99DDE8
RGB	153, 221, 232
RGB Percent	60%, 87%, 91%
CMY	0.4000, 0.1333, 0.0902
CMYK	0.34, 0.05, 0.00, 0.09
HSL	188°, 63%, 75%
HSV	188°, 34%, 91%
XYZ	53.5588, 64.3114, 85.9344
YIQ	201.9220, -44.0590, -10.9950

Conversions

Conversions Part 2

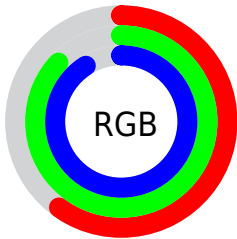
Format	Color
RYB	153, 190, 232
Decimal	10083816
CIELab	84.13, -18.60, -12.19
CIELCh	84, 22.240, 213.247
Yxy	64.3114, 0.2628, 0.3156
Android (android.graphics.Color)	4288273896 (0xFF99DDE8)
YUV	201.9220, 14.8285, -42.9046
Hunter-Lab	80.1944, -21.1268, -7.3977

Details

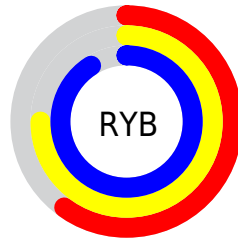
The XYZ color **53.5588, 64.3114, 85.9344** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.3049, 46.0073, 36.2620**, and the grayscale version is **56.0221, 58.9396, 64.1853**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **26.5097, 33.0037, 46.0474** is the 20% darker color. If you saturate the color by 10%, you get **48.7544, 60.5824, 85.4689**, and if you desaturate by 10%, it is **59.2348, 68.5172, 86.4481**.

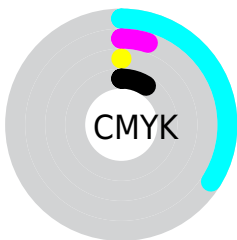
Distribution



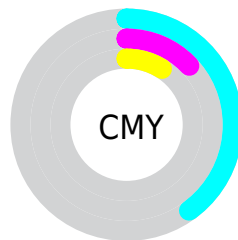
- Red (60%)
- Green (87%)
- Blue (91%)



- Red (60%)
- Yellow (75%)
- Blue (91%)



- Cyan (34%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (40%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.5588, 64.3114, 85.9344 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 53.5588, 64.3114, 85.9344 by changing the saturation by 10% instead.

53.5588, 64.3114,
85.9344

53.5588, 64.3114,
85.9344

390.6512,
440.3133, 534.9399

38.4783, 46.9029,
64.0591

94.5868, 111.0593,
143.5637

26.5330, 32.9589,
46.2521

121.2651,
141.1675, 180.1548

17.3576, 22.0950,
32.0947

152.5399,
176.2777, 222.4882

10.5867, 13.9267,
21.1684

188.7768,
216.7744, 270.9826

5.8549, 8.0697,
13.0547

230.3410,
263.0419, 326.0564

2.7968, 4.1396,
7.3351

277.5979,

1.0473, 1.7519,

315.4646, 388.1282

3.5909

330.9128,
374.4270, 457.6165

0.0000, 0.4570,
1.4037

0.0000, 0.0000,
0.1446

53.5588, 64.3114,
85.9344

53.5588, 64.3114,
85.9344

48.7544, 60.5824,
85.4689

59.2348, 68.5172,
86.4481

44.7661, 57.2968,
85.0450

65.8222, 73.2157,
87.0079

41.5412, 54.4288,
84.6614

73.3653, 78.4316,
87.6171

39.0181, 51.9465,
84.3152

81.9039, 84.1855,
88.2776

■ 37.1255, 49.8131,
84.0032

■ 86.1341, 87.7431,
88.7414

■ 35.7765, 47.9837,
83.7212

■ 87.0785, 89.6318,
89.0561

■ 35.1515, 46.9979,
83.5638

■ 88.0398, 91.5544,
89.3766

■ 89.0181, 93.5111,
89.7027

■ 90.0135, 95.5020,
90.0345

Harmonies

Analogous

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



52.1685, 64.3114, 71.5684



53.5588, 64.3114, 85.9344



56.9702, 64.3114, 97.0773

Triad

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



53.5588, 64.3114, 85.9344



69.9585, 64.3114, 82.9267



60.5923, 64.3114, 46.3306

Complementary

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



53.5588, 64.3114, 85.9344



52.3049, 46.0073, 36.2620

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.



65.4792, 64.3114, 48.5312



53.5588, 64.3114, 85.9344



71.0544, 64.3114, 68.5024

Square

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



53.5588, 64.3114, 85.9344



66.4547, 64.3114, 95.1838



69.3745, 64.3114, 56.2099



56.0902, 64.3114, 49.7417

Rectangle

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



53.5588, 64.3114, 85.9344



60.0216, 64.3114, 100.4848



69.3745, 64.3114, 56.2099



62.2440, 64.3114, 46.4402

Sweetspot

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



53.5607, 64.3139, 85.9359



85.1608, 93.2363, 108.1157



48.6536, 67.1503, 45.2999



17.9516, 19.7644, 23.1187



0.0000, 0.0000, 0.0000



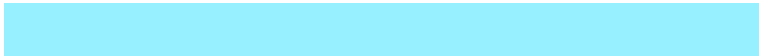
20.3446, 21.4041, 23.3091

Same Dimension

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



53.5607, 64.3139, 85.9359



62.0020, 76.3296, 106.0730



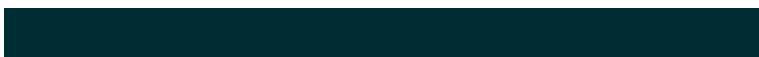
44.4249, 46.0423, 82.8906



14.6274, 15.9762, 18.4571



19.5842, 26.2306, 46.4140



1.4945, 2.0330, 3.4456

Inverse Universe

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



57.7227, 45.1603, 74.0839



68.0127, 49.5344, 88.7619



60.3936, 62.1847, 38.9583



14.9043, 14.5789, 17.6963



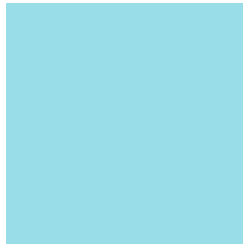
24.2787, 11.8457, 31.4264



1.8180, 0.8849, 2.4480

Previews

White Background



This preview shows how the XYZ color 53.5588, 64.3114, 85.9344 looks on a white background.

Color Contrast Check

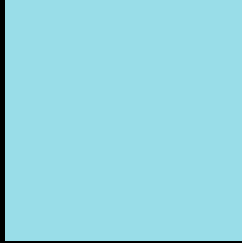
Large Text (above 18pt) WCAG AA × Fail

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 53.5588, 64.3114, 85.9344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

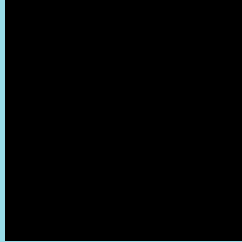
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.5588, 64.3114, 85.9344

Background



This preview shows how black text looks on a background with the XYZ color 53.5588, 64.3114, 85.9344.

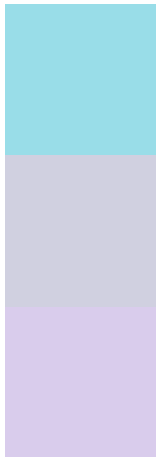


This preview shows how white text looks on a background with the XYZ color 53.5588, 64.3114,

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

53.5588, 64.3114, 85.9344

Protanopia

62.0228, 63.9035, 79.5867

Deuteranopia

65.3485, 63.9936, 88.2646



Tritanopia

54.3522, 64.2295, 90.4218

Trichromacy



Original Color

53.5588, 64.3114, 85.9344

Protanomaly

58.3984, 63.8259, 81.9148

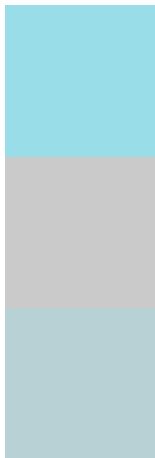
Deuteranomaly

60.2901, 63.5607, 87.6881

Tritanomaly

54.0599, 64.1126, 88.8826

Monochromacy



Original Color

53.5588, 64.3114, 85.9344

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

54.5779, 60.5954, 71.7703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.5588, 64.3114, 85.9344 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, 221, 232)` looks like.

```
.text, #text, p{  
    color:rgb(153, 221, 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(153, 221, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 221, 232) }
```

Border

The CSS property to change the border of an element to XYZ 53.5588, 64.3114, 85.9344 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, 221, 232) }
```


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

```
.border{ border-color:rgb(153, 221, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 221, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 221, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 221, 232);  
box-shadow:4px 4px 4px 4px rgb(153, 221,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 53.5588, 64.3114, 85.9344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 221, 232) }
```

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

```
.background{ background-color: rgb(153,  
221, 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](#).

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