

Converting Colors

XYZ(33.0767, 35.8911, 54.8985)

Have a look what the booklet for
XYZ(33.0767, 35.8911, 54.8985)
contains.

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Color

**XYZ(33.1229, 35.9503,
55.0625)**

Conversions

Conversions Part 1

Format	Color
Hex	88A5C0
RGB	136, 165, 192
RGB Percent	53%, 65%, 75%
CMY	0.4667, 0.3529, 0.2471
CMYK	0.29, 0.14, 0.00, 0.25
HSL	209°, 31%, 64%
HSV	209°, 29%, 75%
XYZ	33.1229, 35.9503, 55.0625
YIQ	159.4070, -25.9510, 2.2490

Conversions

Conversions Part 2

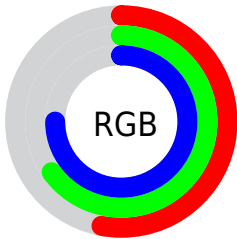
Format	Color
R_{YB}	136, 155, 192
Decimal	8955328
CIE _{Lab}	66.48, -3.67, -17.13
CIE _{LCh}	66, 17.519, 257.914
Yxy	35.9503, 0.2668, 0.2896
Android (android.graphics.Color)	4287145408 (0xFF88A5C0)
YUV	159.4070, 16.0683, -20.5279
Hunter-Lab	59.9586, -6.3188, -12.4775

Details

The XYZ color **33.1229, 35.9503, 55.0625** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.2798, 39.1787, 28.7854**, and the grayscale version is **33.0791, 34.8017, 37.8991**.

A 20% lighter version of the original color is **63.7717, 68.9109, 98.7469**, and **14.1487, 15.5301, 26.2966** is the 20% darker color. If you saturate the color by 10%, you get **28.6701, 31.2660, 54.3936**, and if you desaturate by 10%, it is **38.2574, 41.1671, 55.7994**.

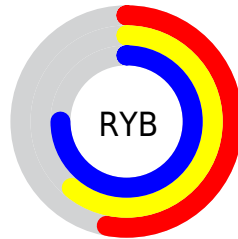
Distribution



Red (53%)

Green (65%)

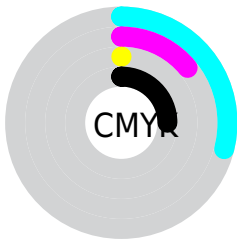
Blue (75%)



Red (53%)

Yellow (61%)

Blue (75%)

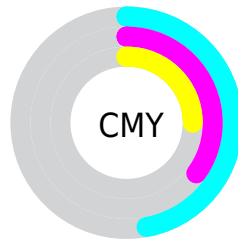


Cyan (29%)

Magenta (14%)

Yellow (0%)

Black (25%)



Cyan (47%)

Magenta (35%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1229, 35.9503, 55.0625 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 33.1229, 35.9503, 55.0625 by changing the saturation by 10% instead.

■ 33.1229, 35.9503,
55.0625

■ 33.1229, 35.9503,
55.0625

307.8584,
328.7433, 423.4374

■ 22.3803, 24.3958,
39.0528

■ 63.9208, 68.9553,
99.1046

■ 14.2548, 15.6275,
26.4927

■ 84.7067, 91.1747,
127.9741

■ 8.3810, 9.2609,
16.9635

■ 109.5712,
117.7178, 161.9673

■ 4.3935, 4.9118,
10.0468

138.8795,
148.9690, 201.5027

■ 1.9271, 2.1956,
5.3240

172.9970,
185.3128, 246.9989

■ 0.5925, 0.7176,
2.3765

212.2891,

■ 0.0000, 0.0000,

227.1335, 298.8744

0.7736

257.1211,
274.8155, 357.5477

■ 0.0000, 0.0000,
0.0000

■ 33.1229, 35.9503,
55.0625

■ 33.1229, 35.9503,
55.0625

■ 28.6701, 31.2660,
54.3936

■ 38.2574, 41.1671,
55.7994

■ 24.8633, 27.0896,
53.7881

■ 44.1002, 46.9313,
56.6041

■ 21.6684, 23.4003,
53.2444

■ 50.6807, 53.2624,
57.4793

■ 19.0463, 20.1741,
52.7599

■ 58.0255, 60.1776,
58.4269

■ 16.9533, 17.3841,
52.3317

■ 66.1597, 67.6932,
59.4489

■ 15.3378, 14.9995,
51.9566

■ 75.1074, 75.8248,
60.5468

■ 14.1116, 12.9702,
51.6295

■ 78.9957, 81.5481,
61.4466

■ 14.0177, 12.8121,
51.6039

■ 81.6376, 86.8319,
62.3272

■ 84.4183, 92.3933,
63.2541

Harmonies

Analogous

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



30.8946, 35.9503, 50.8917



33.1229, 35.9503, 55.0625



35.7471, 35.9503, 54.5859

Triad

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



33.1229, 35.9503, 55.0625



39.2051, 35.9503, 34.8604



30.5563, 35.9503, 30.2260

Complementary

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



33.1229, 35.9503, 55.0625



39.2798, 39.1787, 28.7854

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.



32.6393, 35.9503, 26.9288



33.1229, 35.9503, 55.0625



37.6684, 35.9503, 29.3590

Square

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



33.1229, 35.9503, 55.0625



39.3510, 35.9503, 42.2516



35.2383, 35.9503, 26.6332



29.4644, 35.9503, 36.1922

Rectangle

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



33.1229, 35.9503, 55.0625



37.3686, 35.9503, 51.7024



35.2383, 35.9503, 26.6332



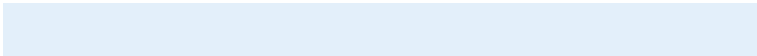
31.1587, 35.9503, 28.8037

Sweetspot

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



33.1240, 35.9517, 55.0633



79.9305, 85.0596, 102.5656



35.5372, 45.5476, 41.1640



16.7965, 17.9055, 21.9561



92.9021, 97.7402, 106.4391



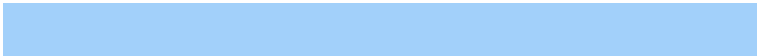
19.4759, 20.4902, 22.3138

Same Dimension

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



33.1240, 35.9517, 55.0633



54.7190, 59.6040, 98.9810



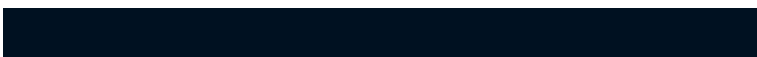
28.7380, 27.1797, 53.6013



9.9501, 10.5915, 12.8048



9.5106, 8.7778, 34.7496



0.4797, 0.5168, 1.5243

Inverse Universe

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



37.3348, 31.5324, 39.7175



63.7378, 50.8406, 65.9556



44.6252, 49.8694, 30.5672



10.2861, 10.1630, 11.5971



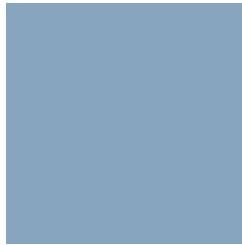
16.1965, 8.1684, 8.9468



0.7345, 0.3668, 0.5693

Previews

White Background



This preview shows how the XYZ color 33.1229, 35.9503, 55.0625 looks on a white background.

Color Contrast Check

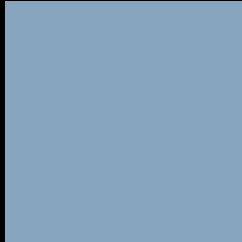
Large Text (above 18pt) WCAG AA × Fail

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 33.1229, 35.9503, 55.0625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

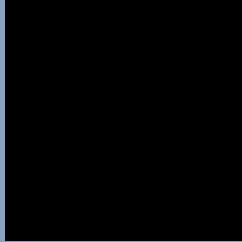
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

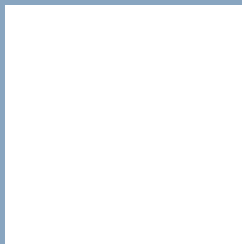
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1229, 35.9503, 55.0625

Background



This preview shows how black text looks on a background with the XYZ color 33.1229, 35.9503, 55.0625.



This preview shows how white text looks on a background with the XYZ color 33.1229, 35.9503,

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

33.1229, 35.9503, 55.0625

Protanopia

35.4664, 35.8837, 53.2011

Deuteranopia

36.6624, 35.9258, 56.0410



Tritanopia

31.7298, 35.9193, 48.4408

Trichromacy



Original Color

33.1229, 35.9503, 55.0625

Protanomaly

34.6090, 35.9479, 53.8298

Deuteranomaly

35.3194, 36.0154, 55.5422

Tritanomaly

32.1195, 35.8015, 50.5649

Monochromacy



Original Color

33.1229, 35.9503, 55.0625

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.8581, 35.0093, 43.5537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1229, 35.9503, 55.0625 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(136, 165, 192)` looks like.

```
.text, #text, p{  
    color:rgb(136, 165, 192)  
}
```

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(136, 165, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 165, 192) }
```

Border

The CSS property to change the border of an element to XYZ 33.1229, 35.9503, 55.0625 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(136, 165, 192) }
```


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

```
.border{ border-color:rgb(136, 165, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 165, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 165, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 165, 192);  
box-shadow:4px 4px 4px 4px rgb(136, 165,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1229, 35.9503, 55.0625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 165, 192) }
```

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

```
.background{ background-color: rgb(136,  
165, 192) }
```

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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