

Converting Colors

XYZ(33.0113, 35.6732, 53.6849)

Have a look what the booklet for
XYZ(33.0113, 35.6732, 53.6849)
contains.

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Color

**XYZ(33.0510, 35.6719,
53.8586)**

Conversions

Conversions Part 1

Format	Color
Hex	8AA4BE
RGB	138, 164, 190
RGB Percent	54%, 64%, 75%
CMY	0.4588, 0.3569, 0.2549
CMYK	0.27, 0.14, 0.00, 0.25
HSL	210°, 29%, 64%
HSV	210°, 27%, 75%
XYZ	33.0510, 35.6719, 53.8586
YIQ	159.1900, -23.8420, 2.5740

Conversions

Conversions Part 2

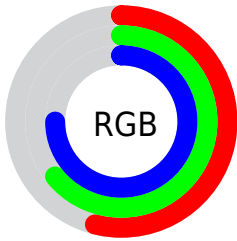
Format	Color
RYB	138, 155, 190
Decimal	9086142
CIELab	66.27, -3.00, -16.33
CIElCh	66, 16.603, 259.580
Yxy	35.6719, 0.2696, 0.2910
Android (android.graphics.Color)	4287276222 (0xFF8AA4BE)
YUV	159.1900, 15.1893, -18.5836
Hunter-Lab	59.7260, -5.7425, -11.6573

Details

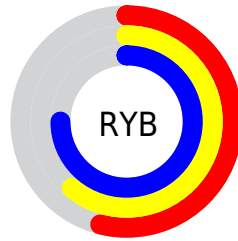
The XYZ color **33.0510, 35.6719, 53.8586** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.0987, 39.3335, 29.5772**, and the grayscale version is **32.9830, 34.7006, 37.7890**.

A 20% lighter version of the original color is **63.7043, 68.5233, 97.0575**, and **14.2400, 15.4207, 25.8929** is the 20% darker color. If you saturate the color by 10%, you get **28.5414, 30.9177, 53.1792**, and if you desaturate by 10%, it is **38.2397, 40.9665, 54.6077**.

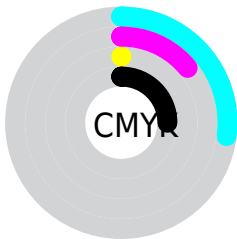
Distribution



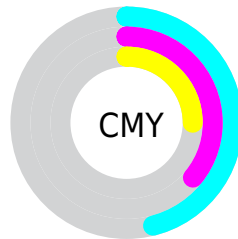
- Red (54%)
- Green (64%)
- Blue (75%)



- Red (54%)
- Yellow (61%)
- Blue (75%)



- Cyan (27%)
- Magenta (14%)
- Yellow (0%)
- Black (25%)



- Cyan (46%)
- Magenta (36%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0510, 35.6719, 53.8586 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 33.0510, 35.6719, 53.8586 by changing the saturation by 10% instead.

■ 33.0510, 35.6719,
53.8586

■ 33.0510, 35.6719,
53.8586

307.5404,
327.5242, 418.7299

■ 22.3249, 24.1809,
38.0962

■ 63.8093, 68.5254,
97.3209

■ 14.2138, 15.4679,
25.7550

■ 84.5722, 90.6566,
125.8579

■ 8.3522, 9.1484,
16.4163

■ 109.4115,
117.1034, 159.4902

■ 4.3748, 4.8381,
9.6617

138.6925,
148.2501, 198.6363

■ 1.9163, 2.1526,
5.0726

172.7805,
184.4811, 243.7148

■ 0.5863, 0.6940,
2.2304

212.0409,

■ 0.0000, 0.0000,

226.1809, 295.1442

0.6918

256.8391,
273.7338, 353.3431

■ 0.0000, 0.0000,
0.0000

■ 33.0510, 35.6719,
53.8586

■ 33.0510, 35.6719,
53.8586

■ 28.5414, 30.9177,
53.1792

■ 38.2397, 40.9665,
54.6077

■ 24.6762, 26.6792,
52.5648

■ 44.1335, 46.8162,
55.4261

■ 21.4225, 22.9362,
52.0139

■ 50.7609, 53.2404,
56.3168

■ 18.7426, 19.6649,
51.5237

■ 58.1478, 60.2562,
57.2817

■ 16.5945, 16.8390,
51.0914

■ 66.3187, 67.8799,
58.3226

■ 14.9294, 14.4285,
50.7139

■ 75.2972, 76.1271,
59.4412

■ 13.6786, 12.3932,
50.3870

■ 78.9706, 81.8503,
60.3523

■ 13.3871, 11.9031,
50.3078

■ 81.6944, 87.2979,
61.2602

■ 84.5647, 93.0383,
62.2170

Harmonies

Analogous

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



30.9100, 35.6719, 50.1773



33.0510, 35.6719, 53.8586



35.5263, 35.6719, 53.1606

Triad

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



33.0510, 35.6719, 53.8586



38.5930, 35.6719, 34.4467



30.4071, 35.6719, 30.6513

Complementary

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



33.0510, 35.6719, 53.8586



39.0987, 39.3335, 29.5772

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.



32.3340, 35.6719, 27.3551



33.0510, 35.6719, 53.8586



37.0877, 35.6719, 29.3547

Square

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



33.0510, 35.6719, 53.8586



38.8080, 35.6719, 41.3601



34.7737, 35.6719, 26.9113



29.4335, 35.6719, 36.4257

Rectangle

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



33.0510, 35.6719, 53.8586



37.0309, 35.6719, 50.3299



34.7737, 35.6719, 26.9113



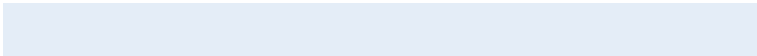
30.9603, 35.6719, 29.2482

Sweetspot

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



33.0521, 35.6733, 53.8594



79.1152, 83.9925, 100.3215



35.5184, 44.8801, 41.5046



17.0001, 18.0771, 21.9785



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.



33.0521, 35.6733, 53.8594



54.7121, 59.2170, 96.8255



28.9898, 27.5487, 52.5053



9.4000, 9.9923, 12.1055



8.9800, 8.0718, 33.4776



0.4172, 0.4470, 1.3332

Inverse Universe

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



37.0255, 31.8055, 39.3111



63.2737, 51.4927, 65.3408



44.0496, 49.2354, 31.2275



9.7237, 9.6138, 10.9343



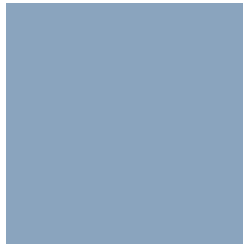
15.5335, 7.8445, 8.1029



0.6415, 0.3205, 0.4913

Previews

White Background



This preview shows how the XYZ color 33.0510, 35.6719, 53.8586 looks on a white background.

Color Contrast Check

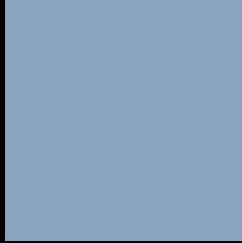
Large Text (above 18pt) WCAG AA × Fail

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 33.0510, 35.6719, 53.8586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

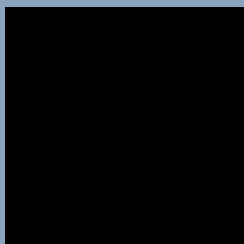
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

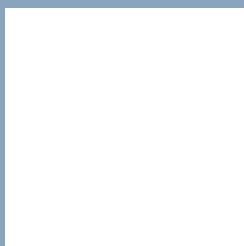
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0510, 35.6719, 53.8586

Background



This preview shows how black text looks on a background with the XYZ color 33.0510, 35.6719, 53.8586.



This preview shows how white text looks on a background with the XYZ color 33.0510, 35.6719,

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

33.0510, 35.6719, 53.8586

Protanopia

35.0781, 35.4520, 52.0078

Deuteranopia

36.1589, 35.4526, 54.2275



Tritanopia

31.9262, 35.7613, 47.8678

Trichromacy



Original Color

33.0510, 35.6719, 53.8586

Protanomaly

34.2164, 35.5101, 52.6277

Deuteranomaly

35.1116, 35.6755, 54.3257

Tritanomaly

32.3189, 35.6475, 49.9770

Monochromacy



Original Color

33.0510, 35.6719, 53.8586

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.7631, 34.9713, 43.0536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0510, 35.6719, 53.8586 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(138, 164, 190)` looks like.

```
.text, #text, p{  
    color:rgb(138, 164, 190)  
}
```

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(138, 164, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 164, 190) }
```

Border

The CSS property to change the border of an element to XYZ 33.0510, 35.6719, 53.8586 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(138, 164, 190) }
```


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

```
.border{ border-color:rgb(138, 164, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 164, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 164, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 164, 190);  
box-shadow:4px 4px 4px 4px rgb(138, 164,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0510, 35.6719, 53.8586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 164, 190) }
```

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

```
.background{ background-color: rgb(138,  
164, 190) }
```

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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