

Converting Colors

XYZ(32.8732, 36.6329, 54.9658)

Have a look what the booklet for
XYZ(32.8732, 36.6329, 54.9658)
contains.

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Color

**XYZ(32.8771, 36.6363,
55.2079)**

Conversions

Conversions Part 1

Format	Color
Hex	83A8C0
RGB	131, 168, 192
RGB Percent	51%, 66%, 75%
CMY	0.4863, 0.3412, 0.2471
CMYK	0.32, 0.12, 0.00, 0.25
HSL	204°, 33%, 63%
HSV	204°, 32%, 75%
XYZ	32.8771, 36.6363, 55.2079
YIQ	159.6730, -29.7560, -0.3800

Conversions

Conversions Part 2

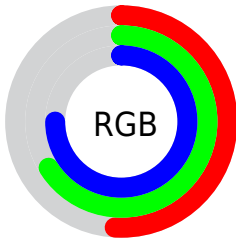
Format	Color
RYB	131, 154, 192
Decimal	8628416
CIELab	67.00, -6.79, -16.37
CIELCh	67, 17.724, 247.482
Yxy	36.6363, 0.2636, 0.2937
Android (android.graphics.Color)	4286818496 (0xFF83A8C0)
YUV	159.6730, 15.9372, -25.1462
Hunter-Lab	60.5279, -8.9676, -11.7092

Details

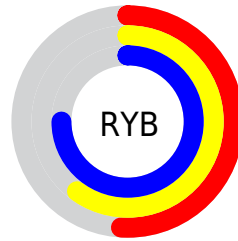
The XYZ color **32.8771, 36.6363, 55.2079** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.5569, 36.2882, 26.4985**, and the grayscale version is **33.2029, 34.9320, 38.0409**.

A 20% lighter version of the original color is **63.3385, 69.8670, 98.9543**, and **14.0573, 15.9880, 26.3899** is the 20% darker color. If you saturate the color by 10%, you get **28.8204, 32.5354, 54.6308**, and if you desaturate by 10%, it is **37.5681, 41.1863, 55.8395**.

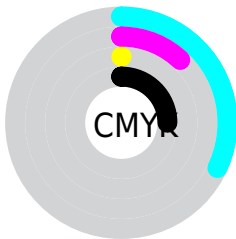
Distribution



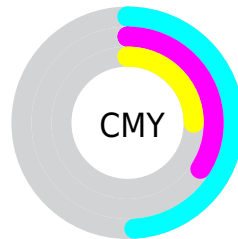
- Red (51%)
- Green (66%)
- Blue (75%)



- Red (51%)
- Yellow (60%)
- Blue (75%)



- Cyan (32%)
- Magenta (12%)
- Yellow (0%)
- Black (25%)



- Cyan (49%)
- Magenta (34%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8771, 36.6363, 55.2079 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 32.8771, 36.6363, 55.2079 by changing the saturation by 10% instead.

■ 32.8771, 36.6363,
55.2079

■ 32.8771, 36.6363,
55.2079

306.7704,
331.7332, 424.0037

■ 22.1911, 24.9260,
39.1685

■ 63.5396, 70.0131,
99.3197

■ 14.1148, 16.0219,
26.5820

■ 84.2467, 92.4483,
128.2292

■ 8.2828, 9.5397,
17.0299

■ 109.0250,
119.2274, 162.2657

■ 4.3297, 5.0948,
10.0936

138.2398,
150.7346, 201.8479

■ 1.8903, 2.3030,
5.3546

172.2563,
187.3544, 247.3942

■ 0.5712, 0.7753,
2.3945

211.4400,

■ 0.0000, 0.0000,

229.4712, 299.3233

0.7834

256.1562,
277.4693, 358.0536

■ 0.0000, 0.0000,
0.0000

■ 32.8771, 36.6363,
55.2079

■ 32.8771, 36.6363,
55.2079

■ 28.8204, 32.5354,
54.6308

■ 37.5681, 41.1863,
55.8395

■ 25.3628, 28.8606,
54.1037

■ 42.9196, 46.1980,
56.5248

■ 22.4705, 25.5936,
53.6256

■ 48.9601, 51.6892,
57.2664

■ 20.1049, 22.7120,
53.1940

■ 55.7155, 57.6750,
58.0657

■ 18.2217, 20.1910,
52.8067

■ 63.2104, 64.1699,
58.9243

■ 16.7683, 18.0012,
52.4606

■ 71.4681, 71.1877,
59.8437

■ 15.8136, 16.4039,
52.2026

■ 76.5790, 76.7148,
60.6411

■ 78.6171, 80.7910,
61.3205

■ 80.7461, 85.0488,
62.0301

Harmonies

Analogous

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



30.8743, 36.6363, 49.6062



32.8771, 36.6363, 55.2079



35.4999, 36.6363, 56.4640

Triad

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



32.8771, 36.6363, 55.2079



40.2089, 36.6363, 37.9918



31.7666, 36.6363, 29.2474

Complementary

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



32.8771, 36.6363, 55.2079



37.5569, 36.2882, 26.4985

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.



34.1522, 36.6363, 26.9263



32.8771, 36.6363, 55.2079



39.0920, 36.6363, 31.5345

Square

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



32.8771, 36.6363, 55.2079



39.8244, 36.6363, 45.8404



36.8415, 36.6363, 27.7062



30.2566, 36.6363, 34.4795

Rectangle

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



32.8771, 36.6363, 55.2079



37.2648, 36.6363, 54.5370



36.8415, 36.6363, 27.7062



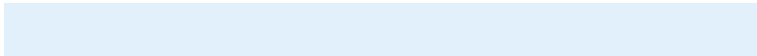
32.4878, 36.6363, 28.1338

Sweetspot

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



32.8782, 36.6377, 55.2087



79.4432, 85.2494, 102.6280



34.0752, 44.8712, 37.6054



16.7263, 17.9974, 21.9776



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.



32.8782, 36.6377, 55.2087



54.4241, 61.2158, 99.3077



27.9806, 26.8425, 53.5762



10.0252, 10.7417, 12.8298



10.7183, 11.1932, 35.1522



0.5287, 0.6148, 1.5407

Inverse Universe

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



36.9233, 30.2672, 40.9434



63.0515, 48.5084, 68.6851



43.1603, 47.4950, 28.3663



10.3240, 10.1782, 11.7968



16.8061, 8.4122, 12.1569



0.7592, 0.3767, 0.6996

Previews

White Background



This preview shows how the XYZ color 32.8771, 36.6363, 55.2079 looks on a white background.

Color Contrast Check

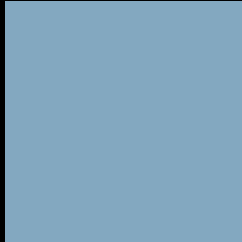
Large Text (above 18pt) WCAG AA × Fail

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 32.8771, 36.6363, 55.2079 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 32.8771, 36.6363, 55.2079

Background



This preview shows how black text looks on a background with the XYZ color 32.8771, 36.6363, 55.2079.



This preview shows how white text looks on a background with the XYZ color 32.8771, 36.6363,

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

32.8771, 36.6363, 55.2079

Protanopia

35.9225, 36.3897, 52.7075

Deuteranopia

37.2400, 36.4778, 56.1171



Tritanopia

31.7885, 36.4620, 50.1622

Trichromacy



Original Color

32.8771, 36.6363, 55.2079

Protanomaly

34.6735, 36.5209, 53.3659

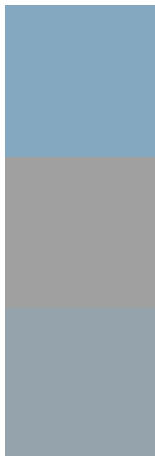
Deuteranomaly

35.3085, 36.2702, 55.5920

Tritanomaly

32.2568, 36.6669, 51.8317

Monochromacy



Original Color

32.8771, 36.6363, 55.2079

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.9380, 35.5625, 44.1580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8771, 36.6363, 55.2079 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(131, 168, 192)` looks like.

```
.text, #text, p{  
    color:rgb(131, 168, 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(131, 168, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 168, 192) }
```

Border

The CSS property to change the border of an element to XYZ 32.8771, 36.6363, 55.2079 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(131, 168, 192) }
```


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

```
.border{ border-color:rgb(131, 168, 192) }
```

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

Here you see how a box with a 4 pixel rgb(131, 168, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 168, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 168, 192);  
box-shadow:4px 4px 4px 4px rgb(131, 168,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8771, 36.6363, 55.2079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 168, 192) }
```

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

```
.background{ background-color: rgb(131,  
168, 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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