

Converting Colors

XYZ(32.8241, 36.3122, 55.8408)

Have a look what the booklet for
XYZ(32.8241, 36.3122, 55.8408)
contains.

XYZ(32.8044, 36.3130, 55.7322)	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(32.8044, 36.3130,
55.7322)**

Conversions

Conversions Part 1

Format	Color
Hex	83A7C1
RGB	131, 167, 193
RGB Percent	51%, 65%, 76%
CMY	0.4863, 0.3451, 0.2431
CMYK	0.32, 0.13, 0.00, 0.24
HSL	205°, 33%, 64%
HSV	205°, 32%, 76%
XYZ	32.8044, 36.3130, 55.7322
YIQ	159.2000, -29.8020, 0.4540

Conversions

Conversions Part 2

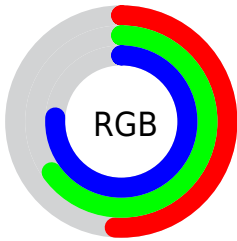
Format	Color
R_{YB}	131, 154, 193
Decimal	8628161
CIE _{Lab}	66.76, -5.99, -17.30
CIE _{LCh}	67, 18.306, 250.896
Yxy	36.3130, 0.2628, 0.2909
Android (android.graphics.Color)	4286818241 (0xFF83A7C1)
YUV	159.2000, 16.6634, -24.7314
Hunter-Lab	60.2603, -8.2839, -12.6527

Details

The XYZ color **32.8044, 36.3130, 55.7322** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.1465, 37.0904, 26.6222**, and the grayscale version is **32.9829, 34.7006, 37.7890**.

A 20% lighter version of the original color is **63.2277, 69.3964, 99.6849**, and **14.0154, 15.7878, 26.7348** is the 20% darker color. If you saturate the color by 10%, you get **28.6527, 32.0410, 55.1271**, and if you desaturate by 10%, it is **37.6079, 41.0606, 56.3960**.

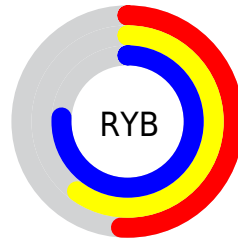
Distribution



Red (51%)

Green (65%)

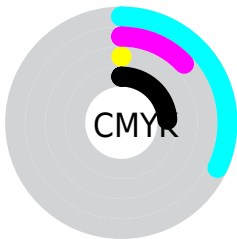
Blue (76%)



Red (51%)

Yellow (60%)

Blue (76%)

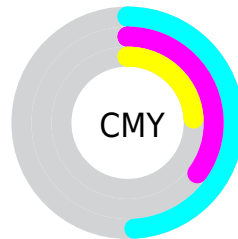


Cyan (32%)

Magenta (13%)

Yellow (0%)

Black (24%)



Cyan (49%)

Magenta (35%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8044, 36.3130, 55.7322 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 32.8044, 36.3130, 55.7322 by changing the saturation by 10% instead.

■ 32.8044, 36.3130,
55.7322

■ 32.8044, 36.3130,
55.7322

306.4480,
330.3265, 426.0414

■ 22.1352, 24.6760,
39.5857

■ 63.4268, 69.5149,
100.0948

■ 14.0734, 15.8359,
26.9043

■ 84.1106, 91.8486,
129.1480

■ 8.2538, 9.4081,
17.2696

■ 108.8633,
118.5167, 163.3405

■ 4.3109, 5.0083,
10.2629

138.0503,
149.9036, 203.0908

■ 1.8795, 2.2521,
5.4657

172.0369,
186.3936, 248.8175

■ 0.5649, 0.7482,
2.4596

211.1885,

■ 0.0000, 0.0000,

228.3712, 300.9392

0.8186

255.8704,
276.2207, 359.8743

■ 0.0000, 0.0000,
0.0000

■ 32.8044, 36.3130,
55.7322

■ 32.8044, 36.3130,
55.7322

■ 28.6527, 32.0410,
55.1271

■ 37.6079, 41.0606,
56.3960

■ 25.1169, 28.2208,
54.5760

■ 43.0901, 46.2973,
57.1179

■ 22.1622, 24.8329,
54.0778

■ 49.2804, 52.0417,
57.9004

■ 19.7490, 21.8542,
53.6301

■ 56.2052, 58.3095,
58.7452

■ 17.8319, 19.2586,
53.2301

■ 63.8898, 65.1162,
59.6540

■ 16.3570, 17.0154,
52.8749

■ 72.3579, 72.4762,
60.6283

■ 15.4277, 15.4541,
52.6225

■ 77.4287, 78.2363,
61.4729

■ 79.6515, 82.6817,
62.2138

■ 81.9791, 87.3369,
62.9896

Harmonies

Analogous

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



30.6516, 36.3130, 50.3620



32.8044, 36.3130, 55.7322



35.5286, 36.3130, 56.4439

Triad

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



32.8044, 36.3130, 55.7322



39.9996, 36.3130, 36.7313



31.1512, 36.3130, 29.1150

Complementary

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



32.8044, 36.3130, 55.7322



38.1465, 37.0904, 26.6222

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.



33.5197, 36.3130, 26.3987



32.8044, 36.3130, 55.7322



38.6888, 36.3130, 30.3891

Square

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



32.8044, 36.3130, 55.7322



39.7828, 36.3130, 44.7313



36.2829, 36.3130, 26.8317



29.7329, 36.3130, 34.7643

Rectangle

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



32.8044, 36.3130, 55.7322



37.3154, 36.3130, 54.0875



36.2829, 36.3130, 26.8317



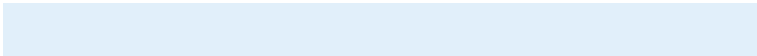
31.8572, 36.3130, 27.8651

Sweetspot

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



32.8055, 36.3144, 55.7330



79.2528, 84.8687, 102.5645



34.5024, 45.3946, 38.7681



16.6801, 17.9050, 21.9622



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.



32.8055, 36.3144, 55.7330



53.0791, 59.2302, 98.9953



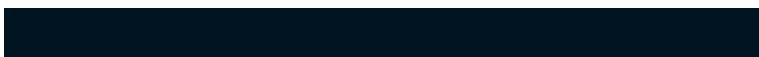
27.8142, 26.3318, 54.0693



10.0032, 10.6976, 12.8225



10.3416, 10.4397, 35.0266



0.5137, 0.5849, 1.5357

Inverse Universe

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



37.0846, 30.3610, 40.4665



62.2007, 47.5098, 66.2342



44.0374, 48.8721, 28.5859



10.3129, 10.1738, 11.7382



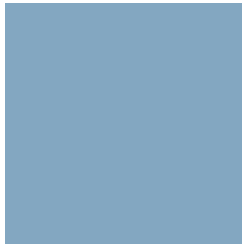
16.6159, 8.3361, 11.1555



0.7517, 0.3737, 0.6598

Previews

White Background



This preview shows how the XYZ color 32.8044, 36.3130, 55.7322 looks on a white background.

Color Contrast Check

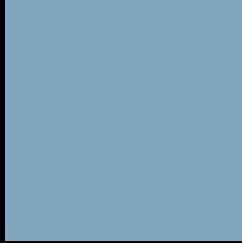
Large Text (above 18pt) WCAG AA × Fail

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 32.8044, 36.3130, 55.7322 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

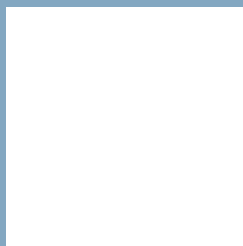
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8044, 36.3130, 55.7322

Background



This preview shows how black text looks on a background with the XYZ color 32.8044, 36.3130, 55.7322.



This preview shows how white text looks on a background with the XYZ color 32.8044, 36.3130,

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

32.8044, 36.3130, 55.7322

Protanopia

35.8348, 36.3320, 53.2682

Deuteranopia

36.7751, 35.9709, 56.6346



Tritanopia

31.6847, 36.4205, 49.6159

Trichromacy



Original Color

32.8044, 36.3130, 55.7322

Protanomaly

34.6042, 36.2080, 53.8802

Deuteranomaly

35.0602, 35.8688, 56.1144

Tritanomaly

32.0715, 36.2963, 51.7699

Monochromacy



Original Color

32.8044, 36.3130, 55.7322

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.6654, 35.1705, 43.5950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8044, 36.3130, 55.7322 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, 167, 193)` looks like.

```
.text, #text, p{  
    color:rgb(131, 167, 193)  
}
```

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, 167, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 167, 193) }
```

Border

The CSS property to change the border of an element to XYZ 32.8044, 36.3130, 55.7322 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, 167, 193) }
```


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

```
.border{ border-color:rgb(131, 167, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 167, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 167, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 167, 193);  
box-shadow:4px 4px 4px 4px rgb(131, 167,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8044, 36.3130, 55.7322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 167, 193) }
```

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

```
.background{ background-color: rgb(131,  
167, 193) }
```

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