

Converting Colors

XYZ(32.2733, 38.3461, 54.5326)

Have a look what the booklet for
XYZ(32.2733, 38.3461, 54.5326)
contains.

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Color

**XYZ(32.2320, 38.2996,
54.4090)**

Conversions

Conversions Part 1

Format	Color
Hex	77AFBE
RGB	119, 175, 190
RGB Percent	47%, 69%, 75%
CMY	0.5333, 0.3137, 0.2549
CMYK	0.37, 0.08, 0.00, 0.25
HSL	193°, 35%, 61%
HSV	193°, 37%, 75%
XYZ	32.2320, 38.2996, 54.4090
YIQ	159.9660, -38.1910, -7.2070

Conversions

Conversions Part 2

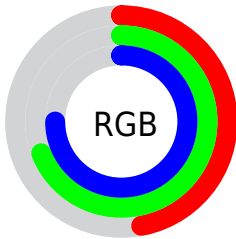
Format	Color
RYB	119, 150, 190
Decimal	7843774
CIELab	68.24, -14.43, -13.47
CIELCh	68, 19.739, 223.014
Yxy	38.2996, 0.2580, 0.3065
Android (android.graphics.Color)	4286033854 (0xFF77AFBE)
YUV	159.9660, 14.8068, -35.9272
Hunter-Lab	61.8867, -15.3348, -8.8054

Details

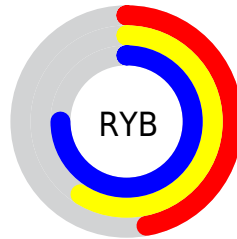
The XYZ color **32.2320, 38.2996, 54.4090** is a light color, and the websafe version is hex **669999**. A complement of this color would be **33.0907, 29.3298, 21.3709**, and the grayscale version is **33.3455, 35.0820, 38.2043**.

A 20% lighter version of the original color is **62.6660, 72.8043, 97.9386**, and **13.7217, 16.8835, 26.2025** is the 20% darker color. If you saturate the color by 10%, you get **29.1112, 35.5491, 54.0432**, and if you desaturate by 10%, it is **35.8997, 41.3683, 54.8087**.

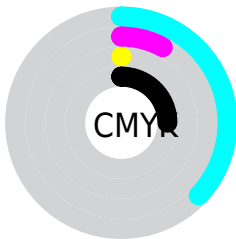
Distribution



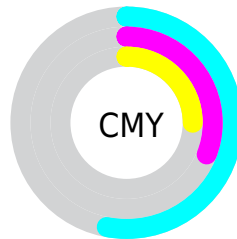
- Red (47%)
- Green (69%)
- Blue (75%)



- Red (47%)
- Yellow (59%)
- Blue (75%)



- Cyan (37%)
- Magenta (8%)
- Yellow (0%)
- Black (25%)



- Cyan (53%)
- Magenta (31%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2320, 38.2996, 54.4090 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 32.2320, 38.2996, 54.4090 by changing the saturation by 10% instead.

■ 32.2320, 38.2996,
54.4090

■ 32.2320, 38.2996,
54.4090

303.9013,
338.9034, 420.8864

■ 21.6952, 26.2153,
38.5333

■ 62.5374, 72.5671,
98.1370

■ 13.7484, 16.9848,
26.0919

■ 83.0366, 95.5191,
126.8263

■ 8.0264, 10.2236,
16.6660

■ 107.5873,
122.8625, 160.6240

■ 4.1638, 5.5475,
9.8372

136.5550,
154.9816, 199.9486

■ 1.7952, 2.5719,
5.1870

170.3048,
192.2608, 245.2186

■ 0.5148, 0.9126,
2.2967

209.2023,

■ 0.0000, 0.0000,

235.0846, 296.8525

0.7294

253.6126,
283.8374, 355.2689

■ 0.0000, 0.0000,
0.0000

■ 32.2320, 38.2996,
54.4090

■ 32.2320, 38.2996,
54.4090

■ 29.1112, 35.5491,
54.0432

■ 35.8997, 41.3683,
54.8087

■ 26.5023, 33.0958,
53.7072

■ 40.1395, 44.7658,
55.2410

■ 24.3716, 30.9229,
53.4001

■ 44.9794, 48.5077,
55.7082

■ 22.6800, 29.0099,
53.1200

■ 50.4445, 52.6072,
56.2114

■ 21.3816, 27.3329,
52.8648

■ 56.5582, 57.0768,
56.7519

■ 20.4109, 25.8578,
52.6312

■ 63.3430, 61.9282,
57.3307

■ 20.1791, 25.4871,
52.5719

■ 70.8201, 67.1726,
57.9489

■ 72.8746, 69.6581,
58.3204

■ 73.8601, 71.6292,
58.6489

Harmonies

Analogous

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



30.9193, 38.2996, 45.6489



32.2320, 38.2996, 54.4090



34.6957, 38.2996, 60.1676

Triad

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



32.2320, 38.2996, 54.4090



42.3807, 38.2996, 46.8686



35.0820, 38.2996, 27.2327

Complementary

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



32.2320, 38.2996, 54.4090



33.0907, 29.3298, 21.3709

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.



38.1647, 38.2996, 27.4630



32.2320, 38.2996, 54.4090



42.4987, 38.2996, 37.9890

Square

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



32.2320, 38.2996, 54.4090



40.6046, 38.2996, 55.4100



40.9183, 38.2996, 31.1452



32.5010, 38.2996, 30.4643

Rectangle

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



32.2320, 38.2996, 54.4090



36.7157, 38.2996, 61.0892



40.9183, 38.2996, 31.1452



36.0914, 38.2996, 26.9229

Sweetspot

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



32.2332, 38.3011, 54.4099



78.0345, 85.2425, 100.6197



30.2696, 42.4487, 28.8619



16.8697, 18.5132, 22.0696



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.



32.2332, 38.3011, 54.4099



53.6146, 65.1984, 98.0379



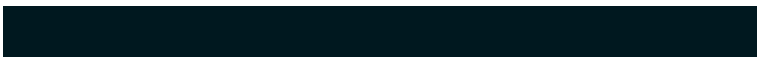
26.3249, 26.4846, 52.4405



9.6329, 10.4580, 12.1831



13.4761, 17.0640, 34.9763



0.5715, 0.7557, 1.3846

Inverse Universe

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



35.5709, 27.2370, 43.9415



60.7239, 42.8311, 75.4717



38.6980, 40.5444, 23.2400



9.8413, 9.6608, 11.5532



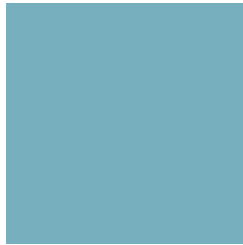
17.8029, 8.7523, 20.0534



0.7194, 0.3516, 0.9015

Previews

White Background



This preview shows how the XYZ color 32.2320, 38.2996, 54.4090 looks on a white background.

Color Contrast Check

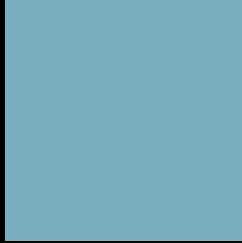
Large Text (above 18pt) WCAG AA × Fail

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 32.2320, 38.2996, 54.4090 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 32.2320, 38.2996, 54.4090

Background



This preview shows how black text looks on a background with the XYZ color 32.2320, 38.2996, 54.4090.



This preview shows how white text looks on a background with the XYZ color 32.2320, 38.2996,

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

32.2320, 38.2996, 54.4090

Protanopia

37.1066, 38.1157, 50.2011

Deuteranopia

38.9082, 38.1259, 55.7604



Tritanopia

32.1230, 38.2560, 53.8352

Trichromacy



Original Color

32.2320, 38.2996, 54.4090

Protanomaly

35.0835, 38.1241, 51.9640

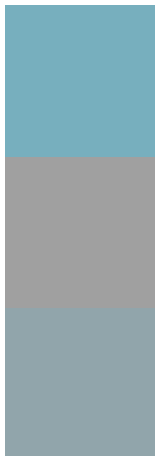
Deuteranomaly

36.0956, 38.0225, 55.3058

Tritanomaly

32.1230, 38.2560, 53.8352

Monochromacy



Original Color

32.2320, 38.2996, 54.4090

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.4829, 35.8703, 43.7397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2320, 38.2996, 54.4090 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(119, 175, 190)` looks like.

```
.text, #text, p{  
    color:rgb(119, 175, 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(119, 175, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 175, 190) }
```

Border

The CSS property to change the border of an element to XYZ 32.2320, 38.2996, 54.4090 is called "border". The border property can be set on classes, ids or directly on the HTML element.

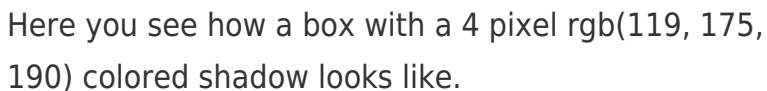
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 175, 190) }
```


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

```
.border{ border-color:rgb(119, 175, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 175, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 175, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 175, 190);  
box-shadow:4px 4px 4px 4px rgb(119, 175,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2320, 38.2996, 54.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 175, 190) }
```

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

```
.background{ background-color: rgb(119,  
175, 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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