

Converting Colors

XYZ(33.0500, 40.5598, 55.4328)

Have a look what the booklet for
XYZ(33.0500, 40.5598, 55.4328)
contains.

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Color

**XYZ(32.9981, 40.4542,
55.3595)**

Conversions

Conversions Part 1

Format	Color
Hex	73B5BF
RGB	115, 181, 191
RGB Percent	45%, 71%, 75%
CMY	0.5490, 0.2902, 0.2510
CMYK	0.40, 0.05, 0.00, 0.25
HSL	188°, 37%, 60%
HSV	188°, 40%, 75%
XYZ	32.9981, 40.4542, 55.3595
YIQ	162.4060, -42.5460, -10.8820

Conversions

Conversions Part 2

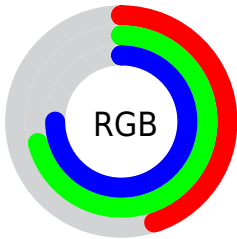
Format	Color
R_{YB}	115, 150, 191
Decimal	7583167
CIE _{Lab}	69.79, -18.38, -11.71
CIE _{LCh}	70, 21.791, 212.506
Yxy	40.4542, 0.2562, 0.3141
Android (android.graphics.Color)	4285773247 (0xFF73B5BF)
YUV	162.4060, 14.0968, -41.5751
Hunter-Lab	63.6036, -18.6990, -7.0825

Details

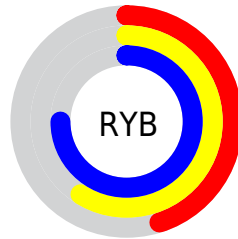
The XYZ color **32.9981, 40.4542, 55.3595** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.9147, 26.9820, 19.7466**, and the grayscale version is **34.4843, 36.2802, 39.5091**.

A 20% lighter version of the original color is **63.6503, 75.8298, 99.2776**, and **14.2311, 18.2654, 26.8203** is the 20% darker color. If you saturate the color by 10%, you get **30.2360, 38.2795, 55.0860**, and if you desaturate by 10%, it is **36.2923, 42.9187, 55.6623**.

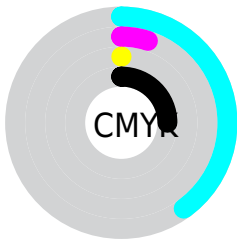
Distribution



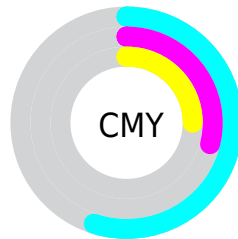
- Red (45%)
- Green (71%)
- Blue (75%)



- Red (45%)
- Yellow (59%)
- Blue (75%)



- Cyan (40%)
- Magenta (5%)
- Yellow (0%)
- Black (25%)



- Cyan (55%)
- Magenta (29%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9981, 40.4542, 55.3595 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 32.9981, 40.4542, 55.3595 by changing the saturation by 10% instead.

■ 32.9981, 40.4542,
55.3595

■ 32.9981, 40.4542,
55.3595

307.3063,
348.0343, 424.5935

■ 22.2842, 27.8929,
39.2891

■ 63.7273, 75.8547,
99.5439

■ 14.1837, 18.2449,
26.6751

■ 84.4732, 99.4626,
128.4950

■ 8.3311, 11.1260,
17.0991

■ 109.2940,
127.5214, 162.5767

■ 4.3611, 6.1516,
10.1425

138.5548,
160.4157, 202.2075

■ 1.9084, 2.9375,
5.3867

172.6211,
198.5297, 247.8061

■ 0.5817, 1.0992,
2.4132

211.8582,

■ 0.0000, 0.0000,

242.2479, 299.7909

0.7936

256.6315,
291.9546, 358.5806

■ 0.0000, 0.0000,
0.0000

■ 32.9981, 40.4542,
55.3595

■ 32.9981, 40.4542,
55.3595

■ 30.2360, 38.2795,
55.0860

■ 36.2923, 42.9187,
55.6623

■ 27.9698, 36.3732,
54.8375

■ 40.1444, 45.6837,
55.9929

■ 26.1647, 34.7181,
54.6132

■ 44.5832, 48.7650,
56.3537

■ 24.7797, 33.2931,
54.4111

■ 49.6343, 52.1757,
56.7459

■ 23.7665, 32.0730,
54.2290

■ 55.3217, 55.9285,
57.1705

■ 23.0321, 31.0101,
54.0626

■ 61.6683, 60.0351,
57.6286

■ 23.0174, 30.9882,
54.0591

■ 68.6955, 64.5066,
58.1213

■ 71.5553, 66.8440,
58.4218

■ 72.1463, 68.0260,
58.6188

Harmonies

Analogous

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



32.0515, 40.4542, 44.9045



32.9981, 40.4542, 55.3595



35.3970, 40.4542, 63.6717

Triad

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



32.9981, 40.4542, 55.3595



44.8010, 40.4542, 53.6601



38.1540, 40.4542, 27.3209

Complementary

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



32.9981, 40.4542, 55.3595



31.9147, 26.9820, 19.7466

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.



41.6747, 40.4542, 28.9373



32.9981, 40.4542, 55.3595



45.6492, 40.4542, 43.2020

Square

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



32.9981, 40.4542, 55.3595



42.2203, 40.4542, 62.5896



44.4727, 40.4542, 34.3925



34.9121, 40.4542, 29.5854

Rectangle

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



32.9981, 40.4542, 55.3595



37.5708, 40.4542, 66.3055



44.4727, 40.4542, 34.3925



39.3439, 40.4542, 27.4284

Sweetspot

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



32.9993, 40.4558, 55.3604



77.8408, 85.9593, 100.7683



29.3316, 42.3592, 25.6559



16.8564, 18.7125, 22.1087



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.



32.9993, 40.4558, 55.3604



54.6193, 68.9363, 98.7064



26.4686, 27.3944, 53.1836



9.6986, 10.5896, 12.2050



15.1687, 20.4491, 35.5405



0.6243, 0.8613, 1.4022

Inverse Universe

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



35.9581, 26.6751, 46.9714



60.8091, 41.2499, 80.9004



37.4781, 38.1089, 21.6011



9.8745, 9.6741, 11.7280



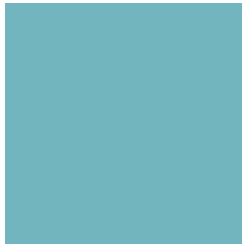
18.6572, 9.0940, 24.5522



0.7460, 0.3623, 1.0419

Previews

White Background



This preview shows how the XYZ color 32.9981, 40.4542, 55.3595 looks on a white background.

Color Contrast Check

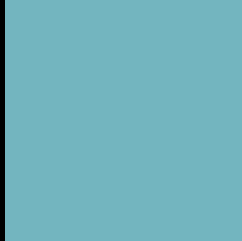
Large Text (above 18pt) WCAG AA × Fail

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 32.9981, 40.4542, 55.3595 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 32.9981, 40.4542, 55.3595

Background



This preview shows how black text looks on a background with the XYZ color 32.9981, 40.4542, 55.3595.



This preview shows how white text looks on a background with the XYZ color 32.9981, 40.4542,

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

32.9981, 40.4542, 55.3595

Protanopia

39.0974, 40.2298, 50.5042

Deuteranopia

40.8719, 39.9193, 56.5899



Tritanopia

33.3740, 40.2957, 57.6486

Trichromacy



Original Color

32.9981, 40.4542, 55.3595

Protanomaly

36.2009, 39.8219, 52.2328

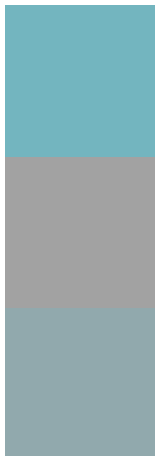
Deuteranomaly

37.3254, 39.7484, 56.1570

Tritanomaly

33.2613, 40.2506, 57.0550

Monochromacy



Original Color

32.9981, 40.4542, 55.3595

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.4078, 37.4128, 44.9958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9981, 40.4542, 55.3595 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(115, 181, 191)` looks like.

```
.text, #text, p{  
    color:rgb(115, 181, 191)  
}
```

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(115, 181, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 181, 191) }
```

Border

The CSS property to change the border of an element to XYZ 32.9981, 40.4542, 55.3595 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(115, 181, 191) }
```


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

```
.border{ border-color:rgb(115, 181, 191) }
```

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

Here you see how a box with a 4 pixel rgb(115, 181, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 181, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 181, 191);  
box-shadow:4px 4px 4px 4px rgb(115, 181,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9981, 40.4542, 55.3595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 181, 191) }
```

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

```
.background{ background-color: rgb(115,  
181, 191) }
```

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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