

Converting Colors

XYZ(31.6931, 35.7357, 44.4866)

Have a look what the booklet for
XYZ(31.6931, 35.7357, 44.4866)
contains.

XYZ(31.5638, 35.6543, 44.2481)	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(31.5638, 35.6543,
44.2481)**

Conversions

Conversions Part 1

Format	Color
Hex	8AA6AC
RGB	138, 166, 172
RGB Percent	54%, 65%, 67%
CMY	0.4588, 0.3490, 0.3255
CMYK	0.20, 0.03, 0.00, 0.33
HSL	191°, 17%, 61%
HSV	191°, 20%, 67%
XYZ	31.5638, 35.6543, 44.2481
YIQ	158.3120, -18.6140, -4.0700

Conversions

Conversions Part 2

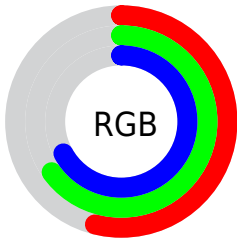
Format	Color
RYB	138, 153, 172
Decimal	9086636
CIELab	66.25, -8.30, -6.32
CIELCh	66, 10.433, 217.298
Yxy	35.6543, 0.2832, 0.3199
Android (android.graphics.Color)	4287276716 (0xFF8AA6AC)
YUV	158.3120, 6.7482, -17.8136
Hunter-Lab	59.7112, -10.1382, -2.1381

Details

The XYZ color **31.5638, 35.6543, 44.2481** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.5741, 30.5520, 28.2783**, and the grayscale version is **32.6182, 34.3169, 37.3711**.

A 20% lighter version of the original color is **61.4598, 68.4654, 82.6489**, and **13.3380, 15.4169, 20.0421** is the 20% darker color. If you saturate the color by 10%, you get **28.3956, 33.2128, 43.9444**, and if you desaturate by 10%, it is **35.1978, 38.3571, 44.5788**.

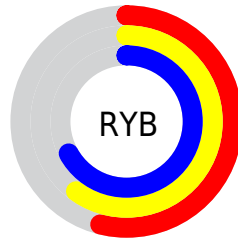
Distribution



Red (54%)

Green (65%)

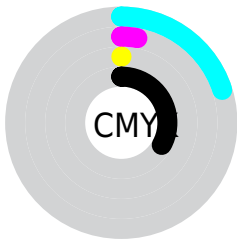
Blue (67%)



Red (54%)

Yellow (60%)

Blue (67%)

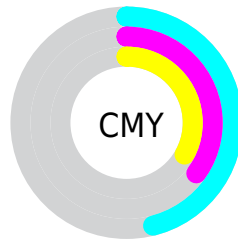


Cyan (20%)

Magenta (3%)

Yellow (0%)

Black (33%)



Cyan (46%)

Magenta (35%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5638, 35.6543, 44.2481 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 31.5638, 35.6543, 44.2481 by changing the saturation by 10% instead.

■ 31.5638, 35.6543,
44.2481

■ 31.5638, 35.6543,
44.2481

300.9081,
327.4470, 379.7907

■ 21.1825, 24.1673,
30.5270

■ 61.4965, 68.4982,
82.8974

■ 13.3707, 15.4578,
19.9835

■ 81.7785, 90.6238,
108.6626

■ 7.7630, 9.1413,
12.1991

■ 106.0915,
117.0645, 139.2797

■ 3.9942, 4.8335,
6.7552

134.8008,
148.2046, 175.1671

■ 1.6989, 2.1499,
3.2334

168.2717,
184.4285, 216.7433

■ 0.4556, 0.6925,
1.2150

206.8697,

■ 0.0000, 0.0000,

226.1206, 264.4270

0.0000

250.9600,
273.6653, 318.6366

■ 31.5638, 35.6543,
44.2481

■ 31.5638, 35.6543,
44.2481

■ 28.3956, 33.2128,
43.9444

■ 35.1978, 38.3571,
44.5788

■ 25.6689, 31.0171,
43.6643

■ 39.3142, 41.3271,
44.9352

■ 23.3616, 29.0568,
43.4075

■ 43.9329, 44.5757,
45.3188

■ 21.4488, 27.3186,
43.1729

■ 49.0715, 48.1120,
45.7305

■ 19.9025, 25.7883,
42.9590

■ 54.7468, 51.9447,
46.1712

■ 18.6914, 24.4494,
42.7644

■ 60.9749, 56.0824,
46.6416

■ 17.7781, 23.2825,
42.5873

■ 66.5082, 59.8820,
47.0833

■ 17.0846, 22.2473,
42.4240

■ 67.1598, 61.1852,
47.3005

■ 17.0691, 22.2238,
42.4203

■ 67.8251, 62.5158,
47.5223

Harmonies

Analogous

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



31.0067, 35.6543, 39.9201



31.5638, 35.6543, 44.2481



32.7468, 35.6543, 47.2740

Triad

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



31.5638, 35.6543, 44.2481



36.7238, 35.6543, 42.2229



33.5097, 35.6543, 30.9281

Complementary

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



31.5638, 35.6543, 44.2481



31.5741, 30.5520, 28.2783

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.



35.0561, 35.6543, 31.4418



31.5638, 35.6543, 44.2481



36.9432, 35.6543, 37.7432

Square

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



31.5638, 35.6543, 44.2481



35.7337, 35.6543, 46.0437



36.3243, 35.6543, 33.8577



32.1077, 35.6543, 32.3969

Rectangle

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



31.5638, 35.6543, 44.2481



33.7475, 35.6543, 48.0240



36.3243, 35.6543, 33.8577



34.0296, 35.6543, 30.8767

Sweetspot

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



31.5648, 35.6558, 44.2489



66.4824, 71.4988, 81.1024



30.2429, 36.9124, 31.7835



14.3492, 15.4666, 17.6167



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.5648, 35.6558, 44.2489



54.4793, 62.5603, 80.0097



28.7284, 29.9829, 43.3034



8.1144, 8.8281, 10.2290



12.7378, 16.6095, 31.5791



0.3854, 0.5241, 0.8888

Inverse Universe

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



32.9855, 29.7014, 40.0726



57.5944, 49.7663, 70.7929



34.2880, 35.9796, 29.1829



8.2755, 8.1235, 9.7617



16.2931, 7.9798, 19.7208



0.4689, 0.2283, 0.6310

Previews

White Background



This preview shows how the XYZ color 31.5638, 35.6543, 44.2481 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 31.5638, 35.6543, 44.2481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

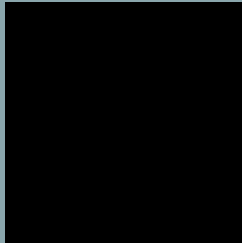
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5638, 35.6543, 44.2481

Background



This preview shows how black text looks on a background with the XYZ color 31.5638, 35.6543, 44.2481.



This preview shows how white text looks on a background with the XYZ color 31.5638, 35.6543,

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

31.5638, 35.6543, 44.2481

Protanopia

34.3366, 35.5458, 42.0971

Deuteranopia

36.1060, 35.3790, 44.9702



Tritanopia

32.1385, 35.6136, 47.2997

Trichromacy



Original Color

31.5638, 35.6543, 44.2481

Protanomaly

33.2186, 35.4775, 42.6332

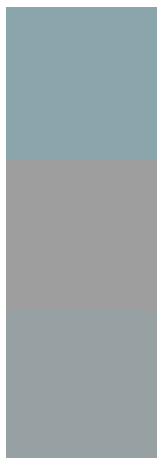
Deuteranomaly

34.2142, 35.4278, 44.5701

Tritanomaly

31.9391, 35.5338, 46.2496

Monochromacy



Original Color

31.5638, 35.6543, 44.2481

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.1182, 34.7134, 39.6579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5638, 35.6543, 44.2481 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, 166, 172)` looks like.

```
.text, #text, p{  
    color:rgb(138, 166, 172)  
}
```

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, 166, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 166, 172) }
```

Border

The CSS property to change the border of an element to XYZ 31.5638, 35.6543, 44.2481 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, 166, 172) }
```


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

```
.border{ border-color:rgb(138, 166, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 166, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 166, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 166, 172);  
box-shadow:4px 4px 4px 4px rgb(138, 166,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5638, 35.6543, 44.2481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 166, 172) }
```

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

```
.background{ background-color: rgb(138,  
166, 172) }
```

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