

Converting Colors

XYZ(31.5467, 40.9856, 43.1774)

Have a look what the booklet for
XYZ(31.5467, 40.9856, 43.1774)
contains.

XYZ(31.5445, 40.8900, 43.2758)	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(31.5445, 40.8900,
43.2758)**

Conversions

Conversions Part 1

Format	Color
Hex	75B8A8
RGB	117, 184, 168
RGB Percent	46%, 72%, 66%
CMY	0.5412, 0.2784, 0.3412
CMYK	0.36, 0.00, 0.09, 0.28
HSL	166°, 32%, 59%
HSV	166°, 36%, 72%
XYZ	31.5445, 40.8900, 43.2758
YIQ	162.1430, -34.7960, -19.1800

Conversions

Conversions Part 2

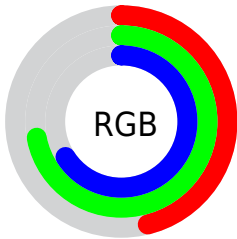
Format	Color
RYB	117, 155, 184
Decimal	7714984
CIELab	70.10, -24.94, 1.40
CIELCh	70, 24.977, 176.790
Yxy	40.8900, 0.2726, 0.3534
Android (android.graphics.Color)	4285905064 (0xFF75B8A8)
YUV	162.1430, 2.8875, -39.5904
Hunter-Lab	63.9453, -23.8494, 4.6364

Details

The XYZ color **31.5445, 40.8900, 43.2758** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.3635, 24.6075, 25.3413**, and the grayscale version is **34.4092, 36.2011, 39.4230**.

A 20% lighter version of the original color is **61.2740, 76.3058, 81.3111**, and **13.3830, 18.5835, 19.4046** is the 20% darker color. If you saturate the color by 10%, you get **28.9088, 39.5788, 41.0519**, and if you desaturate by 10%, it is **34.6823, 42.4605, 45.5972**.

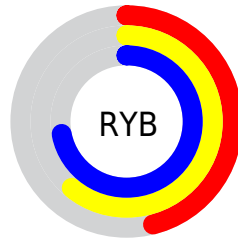
Distribution



Red (46%)

Green (72%)

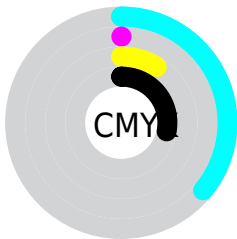
Blue (66%)



Red (46%)

Yellow (61%)

Blue (72%)

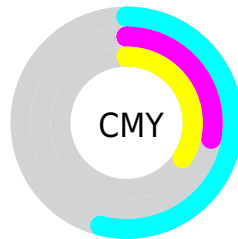


Cyan (36%)

Magenta (0%)

Yellow (9%)

Black (28%)



Cyan (54%)


Magenta (28%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5445, 40.8900, 43.2758 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 31.5445, 40.8900, 43.2758 by changing the saturation by 10% instead.


 31.5445, 40.8900,
43.2758


 31.5445, 40.8900,
43.2758


300.8213,
349.8607, 375.6993


 21.1677, 28.2331,
29.7686


 61.4664, 76.5169,
81.4177

 13.3598, 18.5015,
19.4124


 81.7421, 100.2557,
106.8895

 7.7555, 11.3106,
11.7888

 106.0482,
128.4573, 137.1865

 3.9894, 6.2762,
6.4793

134.7500,
161.5060, 172.7273

 1.6961, 3.0137,
3.0652

168.2128,
199.7864, 213.9304

 0.4538, 1.1389,
1.1280

206.8021,

 0.0000, 0.0109,

243.6826, 261.2144

0.0000

250.8832,
293.5793, 314.9979

■ 0.0000, 0.0000,
0.0000

■ 31.5445, 40.8900,
43.2758

■ 31.5445, 40.8900,
43.2758

■ 28.9088, 39.5788,
41.0519

■ 34.6823, 42.4605,
45.5972

■ 26.7430, 38.5072,
38.9207

■ 38.3451, 44.2991,
48.0152

■ 25.0165, 37.6605,
36.8808

■ 42.5587, 46.4199,
50.5326

■ 23.6935, 37.0203,
34.9300

■ 47.3459, 48.8348,
53.1511

■ 22.7326, 36.5653,
33.0654

■ 52.7283, 51.5549,
55.8725

■ 22.0788, 36.2670,
31.2839

■ 58.7266, 54.5908,
58.6983

■ 21.8790, 36.1775,
30.6630

■ 65.3602, 57.9525,
61.6300

■ 69.1795, 59.8617,
64.5070

■ 69.7114, 60.0744,
67.3077

Harmonies

Analogous

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



32.6619, 40.8900, 33.3128



31.5445, 40.8900, 43.2758



32.2722, 40.8900, 55.4395

Triad

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



31.5445, 40.8900, 43.2758



42.5101, 40.8900, 67.7479



43.3230, 40.8900, 28.2419

Complementary

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



31.5445, 40.8900, 43.2758



30.3635, 24.6075, 25.3413

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.



46.2989, 40.8900, 35.1415



31.5445, 40.8900, 43.2758



45.8069, 40.8900, 58.0005

Square

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



31.5445, 40.8900, 43.2758



38.4270, 40.8900, 70.9416



47.2379, 40.8900, 45.7924



39.3057, 40.8900, 25.6421

Rectangle

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



31.5445, 40.8900, 43.2758



33.7357, 40.8900, 62.9934



47.2379, 40.8900, 45.7924



44.4889, 40.8900, 30.0688

Sweetspot

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



31.5457, 40.8916, 43.2767



73.3747, 82.2459, 89.4006



30.1444, 40.6148, 23.0811



15.5986, 17.6201, 19.1412



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.5457, 40.8916, 43.2767



53.1434, 72.1123, 75.0791



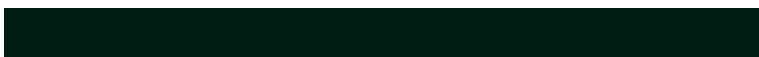
29.8537, 34.9732, 50.5263



9.1725, 10.1730, 11.0656



15.1069, 24.9437, 21.2828



0.5551, 0.8883, 0.8688

Inverse Universe

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



30.3635, 24.6075, 25.3413



50.6852, 38.1050, 37.6764



31.4700, 28.4571, 20.6645



9.0902, 9.0464, 9.8224



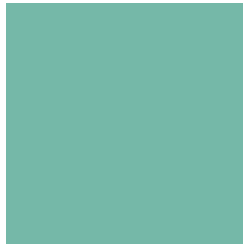
13.9597, 7.1576, 2.4085



0.5170, 0.2623, 0.2157

Previews

White Background



This preview shows how the XYZ color 31.5445, 40.8900, 43.2758 looks on a white background.

Color Contrast Check

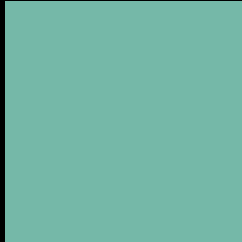
Large Text (above 18pt) WCAG AA × Fail

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 31.5445, 40.8900, 43.2758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

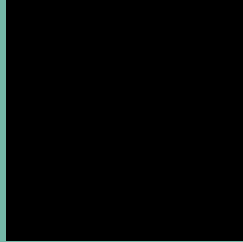
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5445, 40.8900, 43.2758

Background



This preview shows how black text looks on a background with the XYZ color 31.5445, 40.8900, 43.2758.



This preview shows how white text looks on a background with the XYZ color 31.5445, 40.8900,

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

31.5445, 40.8900, 43.2758

Protanopia

38.6244, 40.5176, 39.0427

Deuteranopia

41.1512, 40.3279, 44.6449



Tritanopia

34.3400, 40.7936, 57.6938

Trichromacy



Original Color

31.5445, 40.8900, 43.2758

Protanomaly

35.4584, 40.2729, 40.5549

Deuteranomaly

36.8012, 40.0224, 44.3135

Tritanomaly

33.1660, 40.6155, 51.9905

Monochromacy



Original Color

31.5445, 40.8900, 43.2758

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.9296, 37.5408, 40.6325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5445, 40.8900, 43.2758 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(117, 184, 168)` looks like.

```
.text, #text, p{  
    color:rgb(117, 184, 168)  
}
```

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(117, 184, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 184, 168) }
```

Border

The CSS property to change the border of an element to XYZ 31.5445, 40.8900, 43.2758 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(117, 184, 168) }
```


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

```
.border{ border-color:rgb(117, 184, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 184, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 184, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 184, 168);  
box-shadow:4px 4px 4px 4px rgb(117, 184,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5445, 40.8900, 43.2758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 184, 168) }
```

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

```
.background{ background-color: rgb(117,  
184, 168) }
```

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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