

Converting Colors

XYZ(24.5839, 31.5869, 38.4264)

Have a look what the booklet for
XYZ(24.5839, 31.5869, 38.4264)
contains.

XYZ(24.6382, 31.6655, 38.5317)	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(24.6382, 31.6655,
38.5317)**

Conversions

Conversions Part 1

Format	Color
Hex	61A4A1
RGB	97, 164, 161
RGB Percent	38%, 64%, 63%
CMY	0.6196, 0.3569, 0.3686
CMYK	0.41, 0.00, 0.02, 0.36
HSL	177°, 27%, 51%
HSV	177°, 41%, 64%
XYZ	24.6382, 31.6655, 38.5317
YIQ	143.6250, -38.9690, -15.1370

Conversions

Conversions Part 2

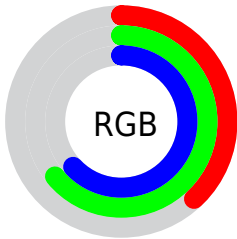
Format	Color
R_{YB}	97, 131, 164
Decimal	6399137
CIE _{Lab}	63.07, -21.99, -5.15
CIE _{LCh}	63, 22.587, 193.168
Yxy	31.6655, 0.2598, 0.3339
Android (android.graphics.Color)	4284589217 (0xFF61A4A1)
YUV	143.6250, 8.5659, -40.8901
Hunter-Lab	56.2721, -20.3217, -1.2077

Details

The XYZ color **24.6382, 31.6655, 38.5317** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.8858, 17.3628, 14.2555**, and the grayscale version is **26.3371, 27.7087, 30.1748**.

A 20% lighter version of the original color is **50.4887, 62.2002, 74.3106**, and **9.6049, 13.2277, 16.7988** is the 20% darker color. If you saturate the color by 10%, you get **23.0038, 30.8312, 38.1186**, and if you desaturate by 10%, it is **26.6361, 32.6887, 38.9652**.

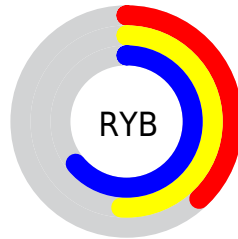
Distribution



Red (38%)

Green (64%)

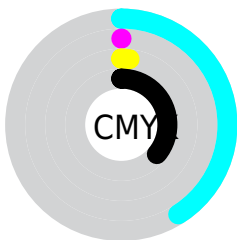
Blue (63%)



Red (38%)

Yellow (51%)

Blue (64%)

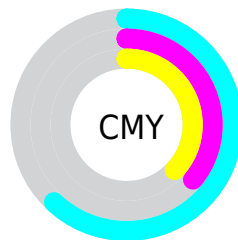


Cyan (41%)

Magenta (0%)

Yellow (2%)

Black (36%)



Cyan (62%)

Magenta (36%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6382, 31.6655, 38.5317 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 24.6382, 31.6655, 38.5317 by changing the saturation by 10% instead.

■ 24.6382, 31.6655,
38.5317

■ 24.6382, 31.6655,
38.5317

268.4123,
309.5927, 355.2617

■ 15.9350, 21.1061,
26.0906

■ 50.5168, 62.2863,
74.1348

■ 9.5687, 13.2016,
16.6650

■ 68.4229, 83.1166,
98.1339

■ 5.1740, 7.5675,
9.8365

■ 90.1274, 108.1393,
126.8227

■ 2.3855, 3.8195,
5.1865

■ 115.9955,
137.7387, 160.6198

■ 0.8379, 1.5731,
2.2965

146.3928,
172.2994, 199.9437

■ 0.0000, 0.3394,
0.7292

181.6844,

■ 0.0000, 0.0000,

212.2057, 245.2129

0.0000

222.2358,
257.8420, 296.8461

■ 24.6382, 31.6655,
38.5317

■ 24.6382, 31.6655,
38.5317

■ 23.0038, 30.8312,
38.1186

■ 26.6361, 32.6887,
38.9652

■ 21.7077, 30.1705,
37.7227

■ 29.0152, 33.9076,
39.4178

■ 20.7260, 29.6717,
37.3434


■ 31.7955, 35.3333,
39.8912


■ 20.0301, 29.3203,
36.9795


■ 34.9946, 36.9749,
40.3861


■ 19.5868, 29.0991,
36.6294


■ 38.6293, 38.8409,
40.9035

 19.3324, 28.9745,
36.3179

 42.7151, 40.9396,
41.4440

 47.2672, 43.2785,
42.0083

 52.2998, 45.8650,
42.5971

 57.8265, 48.7063,
43.2111

Harmonies

Analogous

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



24.7250, 31.6655, 29.7499



24.6382, 31.6655, 38.5317



25.9401, 31.6655, 47.5826

Triad

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



24.6382, 31.6655, 38.5317



34.3795, 31.6655, 48.5496



31.8634, 31.6655, 20.5384

Complementary

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



24.6382, 31.6655, 38.5317



21.8858, 17.3628, 14.2555

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.



34.6761, 31.6655, 24.0323



24.6382, 31.6655, 38.5317



36.1960, 31.6655, 39.6830

Square

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



24.6382, 31.6655, 38.5317



31.4810, 31.6655, 54.0031



36.3081, 31.6655, 30.7197



28.7544, 31.6655, 20.3382

Rectangle

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



24.6382, 31.6655, 38.5317



27.4760, 31.6655, 52.1439



36.3081, 31.6655, 30.7197



32.8799, 31.6655, 21.3350

Sweetspot

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



24.6391, 31.6667, 38.5324



56.9751, 63.7555, 72.2861



20.7284, 30.1446, 16.0358



12.3162, 13.8666, 15.7801



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.6391, 31.6667, 38.5324



42.0041, 56.0892, 69.2576



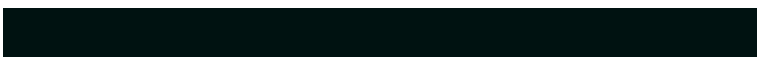
20.1359, 22.2315, 38.3532



7.2623, 8.0058, 8.9932



14.8273, 22.2173, 27.8709



0.3155, 0.4684, 0.6062

Inverse Universe

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



21.8858, 17.3628, 14.2555



36.3186, 26.5289, 19.1094



25.0773, 23.9741, 14.6156



7.0860, 7.0909, 7.4395



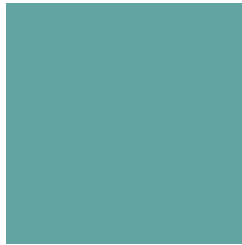
11.7745, 6.0659, 0.7372



0.2510, 0.1289, 0.0346

Previews

White Background



This preview shows how the XYZ color 24.6382, 31.6655, 38.5317 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 24.6382, 31.6655, 38.5317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

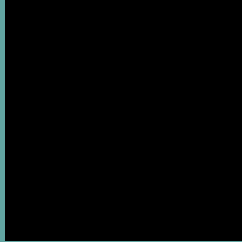
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.6382, 31.6655, 38.5317

Background



This preview shows how black text looks on a background with the XYZ color 24.6382, 31.6655, 38.5317.

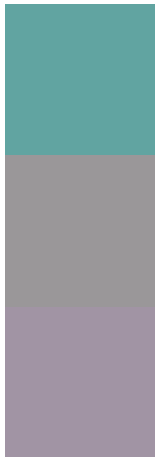


This preview shows how white text looks on a background with the XYZ color 24.6382, 31.6655,

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

24.6382, 31.6655, 38.5317

Protanopia

30.1428, 31.3031, 34.5904

Deuteranopia

31.9887, 31.4372, 39.5040



Tritanopia

26.0250, 31.7025, 45.3050

Trichromacy



Original Color

24.6382, 31.6655, 38.5317

Protanomaly

27.5621, 31.1638, 36.0150

Deuteranomaly

28.6477, 31.1588, 39.1547

Tritanomaly

25.6084, 31.8060, 42.8197

Monochromacy



Original Color

24.6382, 31.6655, 38.5317

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.3240, 28.8473, 33.0875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6382, 31.6655, 38.5317 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(97, 164, 161)` looks like.

```
.text, #text, p{  
    color:rgb(97, 164, 161)  
}
```

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(97, 164, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 164, 161) }
```

Border

The CSS property to change the border of an element to XYZ 24.6382, 31.6655, 38.5317 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(97, 164, 161) }
```


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

```
.border{ border-color:rgb(97, 164, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 164, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 164, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 164, 161);  
box-shadow:4px 4px 4px 4px rgb(97, 164,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6382, 31.6655, 38.5317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 164, 161) }
```

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

```
.background{ background-color: rgb(97, 164,  
161) }
```

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