

Converting Colors

XYZ(19.7241, 25.2606, 30.2783)

Have a look what the booklet for
XYZ(19.7241, 25.2606, 30.2783)
contains.

XYZ(19.7438, 25.3173, 30.2317)	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(19.7438, 25.3173,
30.2317)**

Conversions

Conversions Part 1

Format	Color
Hex	599490
RGB	89, 148, 144
RGB Percent	35%, 58%, 56%
CMY	0.6510, 0.4196, 0.4353
CMYK	0.40, 0.00, 0.03, 0.42
HSL	176°, 25%, 46%
HSV	176°, 40%, 58%
XYZ	19.7438, 25.3173, 30.2317
YIQ	129.9030, -33.8800, -13.7520

Conversions

Conversions Part 2

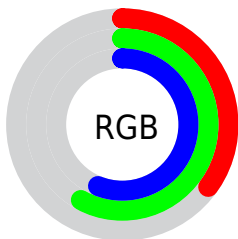
Format	Color
R _Y B	89, 120, 148
Decimal	5870736
CIE Lab	57.38, -20.19, -3.95
CIE LCh	57, 20.571, 191.080
Yxy	25.3173, 0.2622, 0.3363
Android (android.graphics.Color)	4284060816 (0xFF599490)
YUV	129.9030, 6.9498, -35.8719
Hunter-Lab	50.3163, -18.0112, -0.4020

Details

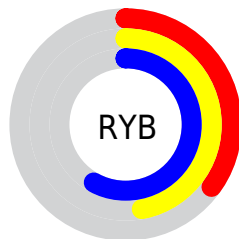
The XYZ color **19.7438, 25.3173, 30.2317** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.7618, 14.2317, 12.1678**, and the grayscale version is **21.1692, 22.2717, 24.2539**.

A 20% lighter version of the original color is **42.4689, 52.0691, 61.2381**, and **7.0226, 9.7326, 12.0981** is the 20% darker color. If you saturate the color by 10%, you get **18.3877, 24.6277, 29.7700**, and if you desaturate by 10%, it is **21.3876, 26.1564, 30.7115**.

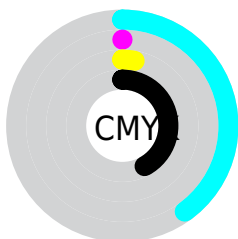
Distribution



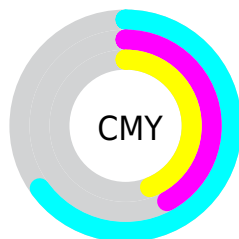
- Red (35%)
- Green (58%)
- Blue (56%)



- Red (35%)
- Yellow (47%)
- Blue (58%)



- Cyan (40%)
- Magenta (0%)
- Yellow (3%)
- Black (42%)



- Cyan (65%)
- Magenta (42%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7438, 25.3173, 30.2317 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 19.7438, 25.3173, 30.2317 by changing the saturation by 10% instead.

■ 19.7438, 25.3173,
30.2317

■ 19.7438, 25.3173,
30.2317

243.3848,
279.4145, 317.2238

■ 12.3161, 16.3136,
19.7610

■ 42.4945, 52.1715,
61.0937

■ 7.0331, 9.7463,
12.0391

■ 58.5482, 70.7908,
82.3221

■ 3.5293, 5.2311,
6.6474

■ 78.2079, 93.3841,
107.9735

■ 1.4395, 2.3835,
3.1675

■ 101.8390,
120.3358, 138.4664

■ 0.2841, 0.8174,
1.1808

129.8070,
152.0303, 174.2193

■ 0.0000, 0.0000,
0.0000

162.4770,

188.8520, 215.6508

200.2145,
231.1852, 263.1795

■ 19.7438, 25.3173,
30.2317

■ 19.7438, 25.3173,
30.2317

■ 18.3877, 24.6277,
29.7700

■ 21.3876, 26.1564,
30.7115

■ 17.2999, 24.0756,
29.3239

■ 23.3327, 27.1502,
31.2084

■ 16.4620, 23.6524,
28.8930

■ 25.5945, 28.3071,
31.7238

■ 15.8526, 23.3468,
28.4763

■ 28.1866, 29.6342,
32.2582

■ 15.4462, 23.1458,
28.0727

■ 31.1218, 31.1382,
32.8122

■ 15.1787, 23.0163,
27.6791

■ 34.4125, 32.8253,
33.3865

■ 15.1752, 23.0146,
27.6738

■ 38.0701, 34.7015,
33.9816

■ 42.1058, 36.7725,
34.5979

■ 46.5301, 39.0438,
35.2361

Harmonies

Analogous

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



19.8898, 25.3173, 23.4322



19.7438, 25.3173, 30.2317



20.6950, 25.3173, 37.3790

Triad

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



19.7438, 25.3173, 30.2317



27.2821, 25.3173, 38.9944



25.6180, 25.3173, 16.7030

Complementary

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



19.7438, 25.3173, 30.2317



17.7618, 14.2317, 12.1678

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.



27.7786, 25.3173, 19.6413



19.7438, 25.3173, 30.2317



28.7833, 25.3173, 32.1599

Square

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



19.7438, 25.3173, 30.2317



24.9769, 25.3173, 42.9786



28.9710, 25.3173, 25.0622



23.1723, 25.3173, 16.3646

Rectangle

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



19.7438, 25.3173, 30.2317



21.8636, 25.3173, 41.0894



28.9710, 25.3173, 25.0622



26.4059, 25.3173, 17.3927

Sweetspot

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



19.7445, 25.3183, 30.2323



44.1586, 49.4329, 55.7538



17.0014, 24.2774, 13.2417



9.9727, 11.2293, 12.7033



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.7445, 25.3183, 30.2323



32.6397, 43.5526, 52.5983



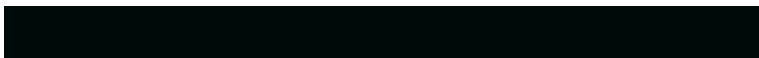
16.6007, 18.5324, 30.7203



5.9473, 6.5555, 7.3335



12.9656, 19.6590, 23.6580



0.1628, 0.2423, 0.3112

Inverse Universe

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



17.7618, 14.2317, 12.1678



28.6381, 21.1519, 16.1209



19.9872, 18.9589, 12.0578



5.8158, 5.8214, 6.1362



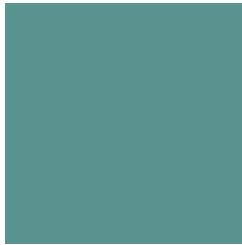
10.4828, 5.3982, 0.7576



0.1315, 0.0673, 0.0259

Previews

White Background



This preview shows how the XYZ color 19.7438, 25.3173, 30.2317 looks on a white background.

Color Contrast Check

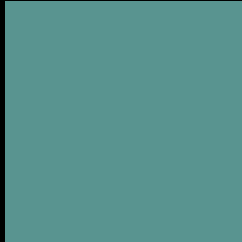
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7438, 25.3173, 30.2317 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 × Fail

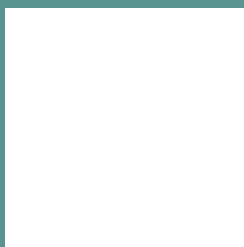
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7438, 25.3173, 30.2317

Background



This preview shows how black text looks on a background with the XYZ color 19.7438, 25.3173, 30.2317.



This preview shows how white text looks on a background with the XYZ color 19.7438, 25.3173,

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

19.7438, 25.3173, 30.2317

Protanopia

23.9670, 24.9034, 27.2106

Deuteranopia

25.5080, 24.9926, 31.0834



Tritanopia

20.9646, 25.3535, 36.1365

Trichromacy



Original Color

19.7438, 25.3173, 30.2317

Protanomaly

21.9969, 24.7146, 28.4220

Deuteranomaly

22.7342, 24.6123, 30.7465

Tritanomaly

20.5971, 25.4427, 33.9623

Monochromacy



Original Color

19.7438, 25.3173, 30.2317

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.3891, 23.2854, 26.3416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7438, 25.3173, 30.2317 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(89, 148, 144)` looks like.

```
.text, #text, p{  
    color:rgb(89, 148, 144)  
}
```

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(89, 148, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 148, 144) }
```

Border

The CSS property to change the border of an element to XYZ 19.7438, 25.3173, 30.2317 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(89, 148, 144) }
```


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

```
.border{ border-color:rgb(89, 148, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 148, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 148, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 148, 144);  
box-shadow:4px 4px 4px 4px rgb(89, 148,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7438, 25.3173, 30.2317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 148, 144) }
```

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

```
.background{ background-color: rgb(89, 148,  
144) }
```

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