

Converting Colors

XYZ(19.5830, 19.2686, 23.3869)

Have a look what the booklet for
XYZ(19.5830, 19.2686, 23.3869)
contains.

XYZ(19.6468, 19.2877, 23.4563)	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(19.6468, 19.2877,
23.4563)**

Conversions

Conversions Part 1

Format	Color
Hex	827681
RGB	130, 118, 129
RGB Percent	51%, 46%, 51%
CMY	0.4902, 0.5372, 0.4941
CMYK	0.00, 0.09, 0.01, 0.49
HSL	305°, 5%, 49%
HSV	305°, 9%, 51%
XYZ	19.6468, 19.2877, 23.4563
YIQ	122.8420, 3.6210, 5.9650

Conversions

Conversions Part 2

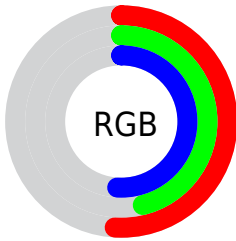
Format	Color
R_{YB}	130, 118, 129
Decimal	8550017
CIE _{Lab}	51.02, 6.75, -4.34
CIE _{LCh}	51, 8.020, 327.253
Yxy	19.2877, 0.3149, 0.3091
Android (android.graphics.Color)	4286740097 (0xFF827681)
YUV	122.8420, 3.0359, 6.2776
Hunter-Lab	43.9178, 2.9967, -0.9241

Details

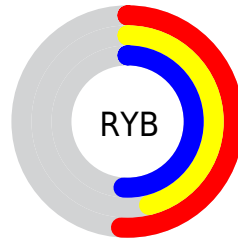
The XYZ color **19.6468, 19.2877, 23.4563** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.7844, 21.1492, 20.5459**, and the grayscale version is **18.7646, 19.7419, 21.4989**.

A 20% lighter version of the original color is **42.3467, 42.1941, 50.1683**, and **7.0315, 6.7088, 8.5138** is the 20% darker color. If you saturate the color by 10%, you get **18.1488, 16.4060, 22.6038**, and if you desaturate by 10%, it is **21.3577, 22.5934, 24.3840**.

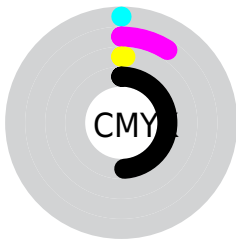
Distribution



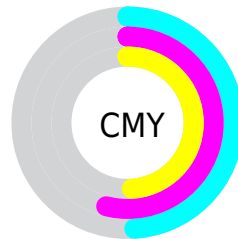
- Red (51%)
- Green (46%)
- Blue (51%)



- Red (51%)
- Yellow (46%)
- Blue (51%)



- Cyan (0%)
- Magenta (9%)
- Yellow (1%)
- Black (49%)



- Cyan (49%)
- Magenta (54%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6468, 19.2877, 23.4563 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 19.6468, 19.2877, 23.4563 by changing the saturation by 10% instead.

■ 19.6468, 19.2877,
23.4563

■ 19.6468, 19.2877,
23.4563

242.8667,
248.0325, 283.2576

■ 12.2453, 11.8783,
14.7223

■ 42.3327, 42.2197,
50.0741

■ 6.9844, 6.6609,
8.4803

■ 58.3478, 58.5111,
68.7951

■ 3.4986, 3.2509,
4.3116

■ 77.9649, 78.5320,
91.6822

■ 1.4226, 1.2641,
1.7978

101.5493,
102.6668, 119.1538

■ 0.2722, 0.1132,
0.4265

129.4663,
131.2998, 151.6287

■ 0.0000, 0.0000,
0.0000

162.0813,

164.8155, 189.5252

199.7597,
203.5983, 233.2620

■ 19.6468, 19.2877,
23.4563

■ 19.6468, 19.2877,
23.4563

■ 18.1488, 16.4060,
22.6038

■ 21.3577, 22.5934,
24.3840

■ 16.8534, 13.9287,
21.8223

■ 23.2879, 26.3367,
25.3884

■ 15.7521, 11.8382,
21.1092

■ 25.4457, 30.5338,
26.4725

■ 14.8349, 10.1148,
20.4613

■ 27.8382, 35.1994,
27.6386

■ 14.0911, 8.7371,
19.8749

■ 30.4726, 40.3473,
28.8891

■ 13.5089, 7.6812,
19.3460

■ 33.3554, 45.9908,
30.2262

■ 13.0749, 6.9206,
18.8703

■ 36.4930, 52.1429,
31.6522

■ 12.7736, 6.4242,
18.4425

■ 39.8918, 58.8159,
33.1690

■ 12.5618, 6.1056,
18.0482

■ 43.5575, 66.0216,
34.7787

Harmonies

Analogous

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



19.0405, 19.2877, 25.1332



19.6468, 19.2877, 23.4563



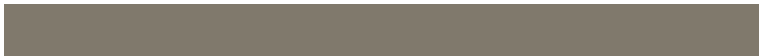
19.9002, 19.2877, 21.2113

Triad

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



19.6468, 19.2877, 23.4563



18.4056, 19.2877, 16.9290



17.0082, 19.2877, 23.0678

Complementary

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



19.6468, 19.2877, 23.4563



18.7844, 21.1492, 20.5459

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.



16.8492, 19.2877, 20.7922



19.6468, 19.2877, 23.4563



17.6420, 19.2877, 17.3486

Square

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



19.6468, 19.2877, 23.4563



19.1708, 19.2877, 17.5337



17.0779, 19.2877, 18.7234



17.5188, 19.2877, 24.8978

Rectangle

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



19.6468, 19.2877, 23.4563



19.8295, 19.2877, 19.7306



17.0779, 19.2877, 18.7234



16.9125, 19.2877, 22.3249

Sweetspot

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



19.6474, 19.2885, 23.4567



36.4108, 37.4641, 42.2991



18.1163, 18.4915, 23.7337



8.1911, 8.3826, 9.5470



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



19.6474, 19.2885, 23.4567



34.0374, 32.8836, 40.9948



19.2601, 19.1336, 21.4177



4.4832, 4.4064, 5.3490



12.0306, 5.8319, 17.2826



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.6474, 19.2885, 23.4567



34.0374, 32.8836, 40.9948



19.1562, 21.2979, 22.5039



4.4832, 4.4064, 5.3490



12.0306, 5.8319, 17.2826



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.6468, 19.2877, 23.4563 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 19.6468, 19.2877, 23.4563 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 19.6468, 19.2877, 23.4563

Background



This preview shows how black text looks on a background with the XYZ color 19.6468, 19.2877, 23.4563.



This preview shows how white text looks on a background with the XYZ color 19.6468, 19.2877,

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

19.6468, 19.2877, 23.4563

Protanopia

18.8193, 19.3784, 24.2212

Deuteranopia

19.6468, 19.2877, 23.4563



Tritanopia

19.5806, 19.2612, 23.1078

Trichromacy



Original Color

19.6468, 19.2877, 23.4563

Protanomaly

19.0579, 19.3297, 23.8456

Deuteranomaly

19.6468, 19.2877, 23.4563

Tritanomaly

19.5806, 19.2612, 23.1078

Monochromacy



Original Color

19.6468, 19.2877, 23.4563

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.1432, 19.5910, 22.1745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6468, 19.2877, 23.4563 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(130, 118, 129)` looks like.

```
.text, #text, p{  
    color:rgb(130, 118, 129)  
}
```

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(130, 118, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 118, 129) }
```

Border

The CSS property to change the border of an element to XYZ 19.6468, 19.2877, 23.4563 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(130, 118, 129) }
```


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

```
.border{ border-color:rgb(130, 118, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 118, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 118, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 118, 129);  
box-shadow:4px 4px 4px 4px rgb(130, 118,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6468, 19.2877, 23.4563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 118, 129) }
```

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

```
.background{ background-color: rgb(130,  
118, 129) }
```

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