

Converting Colors

XYZ(20.3765, 26.4391, 22.9777)

Have a look what the booklet for
XYZ(20.3765, 26.4391, 22.9777)
contains.

XYZ(20.4136, 26.5315, 23.1140)	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(20.4136, 26.5315,
23.1140)**

Conversions

Conversions Part 1

Format	Color
Hex	68977C
RGB	104, 151, 124
RGB Percent	41%, 59%, 49%
CMY	0.5922, 0.4078, 0.5137
CMYK	0.31, 0.00, 0.18, 0.41
HSL	146°, 18%, 50%
HSV	146°, 31%, 59%
XYZ	20.4136, 26.5315, 23.1140
YIQ	133.8690, -19.3450, -18.3610

Conversions

Conversions Part 2

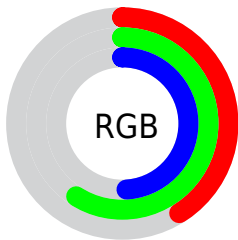
Format	Color
RYB	104, 137, 151
Decimal	6854524
CIELab	58.54, -21.85, 9.21
CIELCh	59, 23.714, 157.156
Yxy	26.5315, 0.2914, 0.3787
Android (android.graphics.Color)	4285044604 (0xFF68977C)
YUV	133.8690, -4.8654, -26.1951
Hunter-Lab	51.5087, -19.3984, 9.4504

Details

The XYZ color **20.4136, 26.5315, 23.1140** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.8104, 18.1192, 23.8215**, and the grayscale version is **22.6348, 23.8136, 25.9330**.

A 20% lighter version of the original color is **43.4774, 53.9049, 49.7082**, and **7.4027, 10.4346, 8.2805** is the 20% darker color. If you saturate the color by 10%, you get **18.2907, 25.4985, 20.2760**, and if you desaturate by 10%, it is **22.9001, 27.7478, 26.2221**.

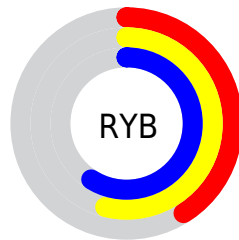
Distribution



Red (41%)

Green (59%)

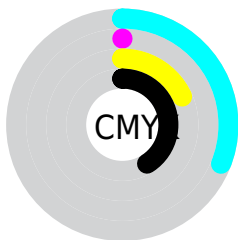
Blue (49%)



Red (41%)

Yellow (54%)

Blue (59%)

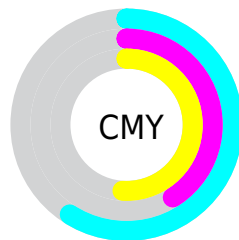


Cyan (31%)

Magenta (0%)

Yellow (18%)

Black (41%)



Cyan (59%)

Magenta (41%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4136, 26.5315, 23.1140 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 20.4136, 26.5315, 23.1140 by changing the saturation by 10% instead.

■ 20.4136, 26.5315,
23.1140

■ 20.4136, 26.5315,
23.1140

246.9366,
285.3815, 281.4509

■ 12.8061, 17.2217,
14.4716

■ 43.6082, 54.1312,
49.5060

■ 7.3712, 10.3927,
8.3069

■ 59.9260, 73.1898,
68.0927

■ 3.7437, 5.6601,
4.2014

■ 79.8779, 96.2668,
90.8313

■ 1.5582, 2.6395,
1.7365

■ 103.8292,
123.7466, 118.1402

■ 0.3649, 0.9466,
0.3855

132.1454,
156.0136, 150.4381

■ 0.0000, 0.0000,
0.0000

165.1918,

193.4521, 188.1435

203.3338,
236.4466, 231.6749

■ 20.4136, 26.5315,
23.1140

■ 20.4136, 26.5315,
23.1140

■ 18.2907, 25.4985,
20.2760

■ 22.9001, 27.7478,
26.2221

■ 16.5114, 24.6364,
17.6991

■ 25.7647, 29.1527,
29.6055

■ 15.0565, 23.9363,
15.3762


■ 29.0238, 30.7551,
33.2717

■ 13.9046, 23.3872,
13.2992


■ 32.6922, 32.5624,
37.2270


■ 13.0310, 22.9767,
11.4596

■ 36.7837, 34.5818,
41.4777


 12.4072, 22.6901,
9.8485

 41.3117, 36.8201,
46.0300

 11.9998, 22.5073,
8.6005

 46.2890, 39.2835,
50.8897

 51.7275, 41.9783,
56.0626

 57.6392, 44.9105,
61.5542

Harmonies

Analogous

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



21.9929, 26.5315, 17.9254



20.4136, 26.5315, 23.1140



20.0729, 26.5315, 30.9265

Triad

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



20.4136, 26.5315, 23.1140



25.9194, 26.5315, 47.8379



29.9346, 26.5315, 20.2660

Complementary

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



20.4136, 26.5315, 23.1140



21.8104, 18.1192, 23.8215

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.



31.1734, 26.5315, 26.9417



20.4136, 26.5315, 23.1140



28.7425, 26.5315, 43.5999

Square

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



20.4136, 26.5315, 23.1140



23.1111, 26.5315, 46.2739



30.7212, 26.5315, 35.5521



27.4479, 26.5315, 16.5149

Rectangle

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



20.4136, 26.5315, 23.1140



20.5682, 26.5315, 36.8191



30.7212, 26.5315, 35.5521



30.5192, 26.5315, 22.1869

Sweetspot

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



20.4143, 26.5326, 23.1146



47.2192, 52.7370, 54.2554



22.9909, 27.9925, 17.2883



10.5607, 11.9021, 12.1351



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.4143, 26.5326, 23.1146



33.9720, 46.2544, 37.9783



22.0494, 27.1866, 31.7247



6.2358, 6.9670, 7.1650



10.2218, 19.1522, 7.3886



0.1705, 0.2934, 0.2034

Inverse Universe

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



21.8104, 18.1192, 23.8215



36.8576, 28.8556, 39.4329



20.4159, 17.5614, 16.4781



6.3500, 6.2792, 7.2233



12.3265, 6.1849, 8.2446



0.2024, 0.0997, 0.2189

Previews

White Background



This preview shows how the XYZ color 20.4136, 26.5315, 23.1140 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 20.4136, 26.5315, 23.1140 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 20.4136, 26.5315, 23.1140

Background



This preview shows how black text looks on a background with the XYZ color 20.4136, 26.5315, 23.1140.



This preview shows how white text looks on a background with the XYZ color 20.4136, 26.5315,

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

20.4136, 26.5315, 23.1140

Protanopia

24.8608, 26.3601, 20.9172

Deuteranopia

26.7928, 26.2312, 23.7297



Tritanopia

23.0060, 26.4059, 36.2321

Trichromacy



Original Color

20.4136, 26.5315, 23.1140

Protanomaly

22.8791, 26.2081, 21.6221

Deuteranomaly

23.9382, 26.0451, 23.5042

Tritanomaly

21.9626, 26.4433, 31.1406

Monochromacy



Original Color

20.4136, 26.5315, 23.1140

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.5757, 24.5788, 24.7261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4136, 26.5315, 23.1140 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(104, 151, 124)` looks like.

```
.text, #text, p{  
    color:rgb(104, 151, 124)  
}
```

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(104, 151, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 151, 124) }
```

Border

The CSS property to change the border of an element to XYZ 20.4136, 26.5315, 23.1140 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(104, 151, 124) }
```


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

```
.border{ border-color:rgb(104, 151, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 151, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 151, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 151, 124);  
box-shadow:4px 4px 4px 4px rgb(104, 151,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4136, 26.5315, 23.1140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 151, 124) }
```

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

```
.background{ background-color: rgb(104,  
151, 124) }
```

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