

Converting Colors

XYZ(17.8801, 23.2160, 19.4160)

Have a look what the booklet for
XYZ(17.8801, 23.2160, 19.4160)
contains.

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Color

**XYZ(17.8559, 23.2136,
19.4591)**

Conversions

Conversions Part 1

Format	Color
Hex	638E72
RGB	99, 142, 114
RGB Percent	39%, 56%, 45%
CMY	0.6118, 0.4431, 0.5529
CMYK	0.30, 0.00, 0.20, 0.44
HSL	141°, 18%, 47%
HSV	141°, 30%, 56%
XYZ	17.8559, 23.2136, 19.4591
YIQ	125.9510, -16.6400, -17.8240

Conversions

Conversions Part 2

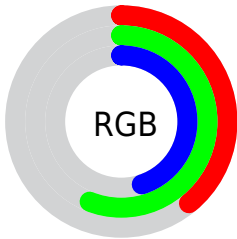
Format	Color
R_{YB}	99, 131, 142
Decimal	6524530
CIE _{Lab}	55.29, -20.93, 10.26
CIE _{LCh}	55, 23.309, 153.880
Yxy	23.2136, 0.2950, 0.3835
Android (android.graphics.Color)	4284714610 (0xFF638E72)
YUV	125.9510, -5.8918, -23.6360
Hunter-Lab	48.1805, -18.1630, 9.7803

Details

The XYZ color **17.8559, 23.2136, 19.4591** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.4488, 16.2074, 22.1831**, and the grayscale version is **19.8385, 20.8717, 22.7293**.

A 20% lighter version of the original color is **39.3854, 48.8123, 43.4223**, and **6.0398, 8.5536, 6.4869** is the 20% darker color. If you saturate the color by 10%, you get **15.9389, 22.2838, 16.7595**, and if you desaturate by 10%, it is **20.1002, 24.3073, 22.4528**.

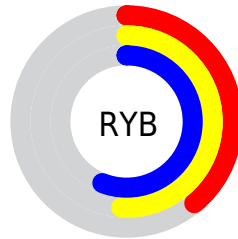
Distribution



Red (39%)

Green (56%)

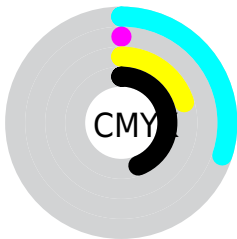
Blue (45%)



Red (39%)

Yellow (51%)

Blue (56%)

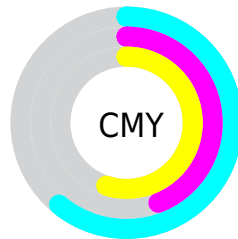


Cyan (30%)

Magenta (0%)

Yellow (20%)

Black (44%)



Cyan (61%)

Magenta (44%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8559, 23.2136, 19.4591 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 17.8559, 23.2136, 19.4591 by changing the saturation by 10% instead.

■ 17.8559, 23.2136,
19.4591

■ 17.8559, 23.2136,
19.4591

233.1189,
268.8202, 261.4783

■ 10.9456, 14.7513,
11.8223

■ 39.3236, 48.7438,
43.3554

■ 6.0973, 8.6450,
6.5017

■ 54.6118, 66.5805,
60.4521

■ 2.9456, 4.5104,
3.0788

■ 73.4234, 88.3109,
81.5390

■ 1.1250, 1.9630,
1.1350

■ 96.1236, 114.3192,
107.0349

■ 0.0459, 0.5858,
0.0000

123.0780,
144.9899, 137.3583

■ 0.0000, 0.0000,
0.0000

154.6517,

180.7073, 172.9276

191.2102,
221.8560, 214.1614

■ 17.8559, 23.2136,
19.4591

■ 17.8559, 23.2136,
19.4591

■ 15.9389, 22.2838,
16.7595

■ 20.1002, 24.3073,
22.4528

■ 14.3315, 21.5069,
14.3436

■ 22.6847, 25.5694,
25.7476

■ 13.0170, 20.8753,
12.2024


■ 25.6238, 27.0078,
29.3523

■ 11.9765, 20.3794,
10.3260


■ 28.9306, 28.6292,
33.2747


■ 11.1886, 20.0083,
8.7037


■ 32.6175, 30.4396,
37.5225


 10.6285, 19.7495,
7.3244

 36.6963, 32.4451,
42.1029

 10.2391, 19.5732,
6.2034

 41.1781, 34.6514,
47.0230

 46.0739, 37.0637,
52.2898

 51.3941, 39.6875,
57.9099

Harmonies

Analogous

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



19.3817, 23.2136, 15.1189



17.8559, 23.2136, 19.4591



17.4241, 23.2136, 26.2612

Triad

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



17.8559, 23.2136, 19.4591



22.4053, 23.2136, 42.5070



26.5000, 23.2136, 18.0775

Complementary

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



17.8559, 23.2136, 19.4591



19.4488, 16.2074, 22.1831

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.



27.4617, 23.2136, 24.3151



17.8559, 23.2136, 19.4591



24.9827, 23.2136, 39.1911

Square

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



17.8559, 23.2136, 19.4591



19.9264, 23.2136, 40.5091



26.8858, 23.2136, 32.1492



24.3488, 23.2136, 14.4386

Rectangle

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



17.8559, 23.2136, 19.4591



17.7840, 23.2136, 31.5549



26.8858, 23.2136, 32.1492



26.9805, 23.2136, 19.8901

Sweetspot

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



17.8565, 23.2146, 19.4596



40.5373, 45.3497, 46.0708



20.7781, 24.8114, 15.4987



8.9123, 10.0596, 10.1131



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



17.8565, 23.2146, 19.4596



29.2365, 39.8419, 31.1770



19.1808, 23.7443, 26.4334



5.4157, 6.0585, 6.1550



9.2009, 17.5762, 5.6120



0.0977, 0.1719, 0.1047

Inverse Universe

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



19.4488, 16.2074, 22.1831



32.4846, 25.5385, 36.7254



18.2281, 15.7191, 15.7550



5.5474, 5.4795, 6.3808



11.7776, 5.8681, 9.7461



0.1231, 0.0603, 0.1482

Previews

White Background



This preview shows how the XYZ color 17.8559, 23.2136, 19.4591 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 17.8559, 23.2136, 19.4591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

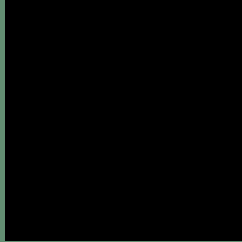
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.8559, 23.2136, 19.4591

Background



This preview shows how black text looks on a background with the XYZ color 17.8559, 23.2136, 19.4591.



This preview shows how white text looks on a background with the XYZ color 17.8559, 23.2136,

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

17.8559, 23.2136, 19.4591

Protanopia

21.6590, 23.0956, 17.7843

Deuteranopia

23.3779, 22.9471, 20.0267



Tritanopia

20.2348, 23.0936, 31.4080

Trichromacy



Original Color

17.8559, 23.2136, 19.4591

Protanomaly

19.9856, 23.0411, 18.4330

Deuteranomaly

20.7637, 22.5888, 19.7887

Tritanomaly

19.2701, 23.1264, 26.7407

Monochromacy



Original Color

17.8559, 23.2136, 19.4591

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.9666, 21.6207, 21.5859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8559, 23.2136, 19.4591 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(99, 142, 114)` looks like.

```
.text, #text, p{  
    color:rgb(99, 142, 114)  
}
```

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(99, 142, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 142, 114) }
```

Border

The CSS property to change the border of an element to XYZ 17.8559, 23.2136, 19.4591 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(99, 142, 114) }
```


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

```
.border{ border-color:rgb(99, 142, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 142, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 142, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 142, 114);  
box-shadow:4px 4px 4px 4px rgb(99, 142,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8559, 23.2136, 19.4591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 142, 114) }
```

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

```
.background{ background-color: rgb(99, 142,  
114) }
```

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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