

Converting Colors

XYZ(18.1746, 23.3784, 27.5173)

Have a look what the booklet for
XYZ(18.1746, 23.3784, 27.5173)
contains.

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Color

**XYZ(18.2477, 23.4583,
27.6109)**

Conversions

Conversions Part 1

Format	Color
Hex	568F8A
RGB	86, 143, 138
RGB Percent	34%, 56%, 54%
CMY	0.6627, 0.4392, 0.4588
CMYK	0.40, 0.00, 0.03, 0.44
HSL	175°, 25%, 45%
HSV	175°, 40%, 56%
XYZ	18.2477, 23.4583, 27.6109
YIQ	125.3870, -32.3670, -13.6390

Conversions

Conversions Part 2

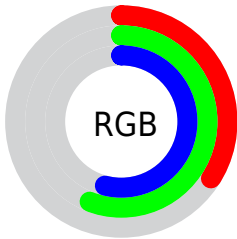
Format	Color
R_{YB}	86, 116, 143
Decimal	5672842
CIE _{Lab}	55.54, -19.92, -3.24
CIE _{LCh}	56, 20.187, 189.248
Y _{xy}	23.4583, 0.2633, 0.3384
Android (android.graphics.Color)	4283862922 (0xFF568F8A)
YUV	125.3870, 6.2182, -34.5424
Hunter-Lab	48.4338, -17.5082, 0.1039

Details

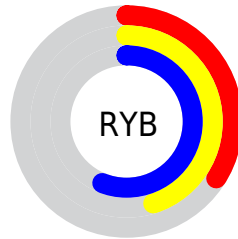
The XYZ color **18.2477, 23.4583, 27.6109** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.5447, 13.2513, 11.5843**, and the grayscale version is **19.6116, 20.6329, 22.4692**.

A 20% lighter version of the original color is **40.0177, 49.1831, 56.6743**, and **6.2483, 8.6990, 10.5823** is the 20% darker color. If you saturate the color by 10%, you get **16.9704, 22.8108, 27.0801**, and if you desaturate by 10%, it is **19.7909, 24.2439, 28.1606**.

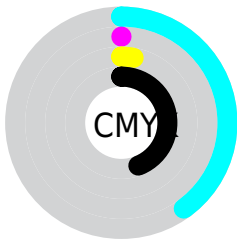
Distribution



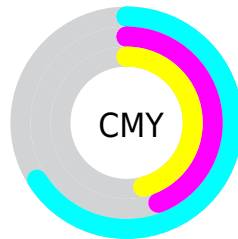
- Red (34%)
- Green (56%)
- Blue (54%)



- Red (34%)
- Yellow (45%)
- Blue (56%)



- Cyan (40%)
- Magenta (0%)
- Yellow (3%)
- Black (44%)



- Cyan (66%)
- Magenta (44%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2477, 23.4583, 27.6109 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 18.2477, 23.4583, 27.6109 by changing the saturation by 10% instead.

■ 18.2477, 23.4583,
27.6109

■ 18.2477, 23.4583,
27.6109

235.2822,
270.0703, 304.4562

■ 11.2287, 14.9323,
17.7961

■ 39.9857, 49.1448,
56.8782

■ 6.2893, 8.7719,
10.6358

■ 55.4355, 67.0740,
77.1678

■ 3.0641, 4.5927,
5.7114

■ 74.4263, 88.9064,
101.7860

■ 1.1878, 2.0103,
2.6045

■ 97.3234, 115.0264,
131.1515

■ 0.0967, 0.6135,
0.8948

■ 124.4921,
145.8184, 165.6827

■ 0.0000, 0.0000,
0.0000

156.2980,

181.6668, 205.7982

193.1062,
222.9560, 251.9165

■ 18.2477, 23.4583,
27.6109

■ 18.2477, 23.4583,
27.6109

■ 16.9704, 22.8108,
27.0801

■ 19.7909, 24.2439,
28.1606

■ 15.9411, 22.2905,
26.5658

■ 21.6124, 25.1722,
28.7284

■ 15.1430, 21.8893,
26.0679

■ 23.7264, 26.2512,
29.3154

■ 14.5563, 21.5969,
25.5852

■ 26.1453, 27.4873,
29.9222

■ 14.1580, 21.4015,
25.1168

■ 28.8811, 28.8866,
30.5493

■ 13.8864, 21.2714,
24.6596

■ 31.9450, 30.4549,
31.1974

■ 13.8827, 21.2696,
24.6532

■ 35.3476, 32.1977,
31.8669

■ 39.0990, 34.1202,
32.5583

■ 43.2090, 36.2275,
33.2722

Harmonies

Analogous

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



18.4472, 23.4583, 21.3513



18.2477, 23.4583, 27.6109



19.0743, 23.4583, 34.3262

Triad

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



18.2477, 23.4583, 27.6109



25.1831, 23.4583, 36.5368



23.8842, 23.4583, 15.5182

Complementary

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



18.2477, 23.4583, 27.6109



16.5447, 13.2513, 11.5843

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.



25.8623, 23.4583, 18.4011



18.2477, 23.4583, 27.6109



26.6470, 23.4583, 30.2483

Square

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



18.2477, 23.4583, 27.6109



23.0075, 23.4583, 40.0269



26.9036, 23.4583, 23.5793



21.6001, 23.4583, 15.0561

Rectangle

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



18.2477, 23.4583, 27.6109



20.1315, 23.4583, 37.9063



26.9036, 23.4583, 23.5793



24.6112, 23.4583, 16.2095

Sweetspot

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



18.2484, 23.4592, 27.6114



41.5333, 46.5222, 52.2425



15.8867, 22.5776, 12.3254



9.4236, 10.6171, 11.9530



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.2484, 23.4592, 27.6114



30.5658, 40.9382, 48.5737



15.5370, 17.4436, 28.5356



5.5401, 6.1083, 6.8102



12.2783, 18.8072, 21.8177



0.1213, 0.1814, 0.2290

Inverse Universe

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



16.5447, 13.2513, 11.5843



27.0735, 19.9825, 15.6974



18.4556, 17.4071, 11.1919



5.4269, 5.4313, 5.7461



10.0813, 5.1895, 0.8136



0.0994, 0.0508, 0.0238

Previews

White Background



This preview shows how the XYZ color 18.2477, 23.4583, 27.6109 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 18.2477, 23.4583, 27.6109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

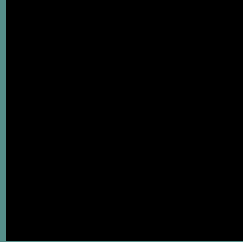
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2477, 23.4583, 27.6109

Background



This preview shows how black text looks on a background with the XYZ color 18.2477, 23.4583, 27.6109.



This preview shows how white text looks on a background with the XYZ color 18.2477, 23.4583,

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

18.2477, 23.4583, 27.6109

Protanopia

22.3397, 23.2921, 24.7911

Deuteranopia

23.6425, 23.2863, 28.4479



Tritanopia

19.4088, 23.4904, 33.2169

Trichromacy



Original Color

18.2477, 23.4583, 27.6109

Protanomaly

20.4434, 23.1115, 25.9377

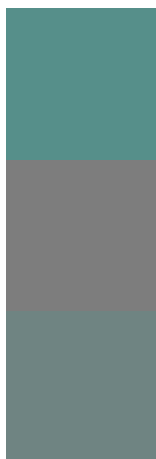
Deuteranomaly

21.1439, 23.0086, 28.1376

Tritanomaly

19.0593, 23.5764, 31.1499

Monochromacy



Original Color

18.2477, 23.4583, 27.6109

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.8361, 21.4937, 24.2750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2477, 23.4583, 27.6109 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(86, 143, 138)` looks like.

```
.text, #text, p{  
    color:rgb(86, 143, 138)  
}
```

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(86, 143, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 143, 138) }
```

Border

The CSS property to change the border of an element to XYZ 18.2477, 23.4583, 27.6109 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(86, 143, 138) }
```


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

```
.border{ border-color:rgb(86, 143, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 143, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 143, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 143, 138);  
box-shadow:4px 4px 4px 4px rgb(86, 143,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2477, 23.4583, 27.6109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 143, 138) }
```

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

```
.background{ background-color: rgb(86, 143,  
138) }
```

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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