

Converting Colors

XYZ(17.9518, 23.7072, 20.3458)

Have a look what the booklet for
XYZ(17.9518, 23.7072, 20.3458)
contains.

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Color

**XYZ(18.0080, 23.7177,
20.4585)**

Conversions

Conversions Part 1

Format	Color
Hex	609075
RGB	96, 144, 117
RGB Percent	38%, 56%, 46%
CMY	0.6235, 0.4353, 0.5412
CMYK	0.33, 0.00, 0.19, 0.44
HSL	146°, 20%, 47%
HSV	146°, 33%, 56%
XYZ	18.0080, 23.7177, 20.4585
YIQ	126.5700, -19.9410, -18.5730

Conversions

Conversions Part 2

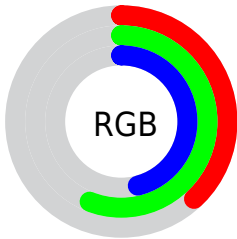
Format	Color
R_{YB}	96, 129, 144
Decimal	6328437
CIE _{Lab}	55.80, -22.33, 9.25
CIE _{LCh}	56, 24.166, 157.498
Yxy	23.7177, 0.2896, 0.3814
Android (android.graphics.Color)	4284518517 (0xFF609075)
YUV	126.5700, -4.7180, -26.8099
Hunter-Lab	48.7008, -19.2229, 9.1837

Details

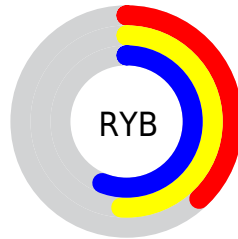
The XYZ color **18.0080, 23.7177, 20.4585** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.2604, 15.7256, 20.7599**, and the grayscale version is **20.0465, 21.0905, 22.9675**.

A 20% lighter version of the original color is **39.5683, 49.5486, 45.0145**, and **6.1608, 8.8627, 7.0162** is the 20% darker color. If you saturate the color by 10%, you get **16.1737, 22.8254, 17.9934**, and if you desaturate by 10%, it is **20.1623, 24.7715, 23.1548**.

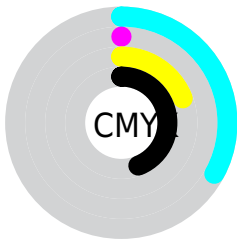
Distribution



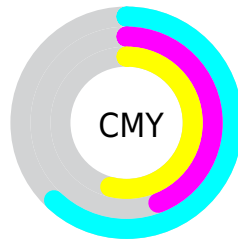
- Red (38%)
- Green (56%)
- Blue (46%)



- Red (38%)
- Yellow (51%)
- Blue (56%)



- Cyan (33%)
- Magenta (0%)
- Yellow (19%)
- Black (44%)



- Cyan (62%)
- Magenta (44%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0080, 23.7177, 20.4585 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 18.0080, 23.7177, 20.4585 by changing the saturation by 10% instead.

■ 18.0080, 23.7177,
20.4585

■ 18.0080, 23.7177,
20.4585

233.9608,
271.3901, 267.0724

■ 11.0555, 15.1243,
12.5414

■ 39.5809, 49.5691,
45.0536

■ 6.1717, 8.9067,
6.9865

■ 54.9320, 67.5960,
62.5687

■ 2.9914, 4.6804,
3.3754

■ 73.8134, 89.5362,
84.1201

■ 1.1492, 2.0610,
1.2893

■ 96.5903, 115.7740,
110.1265

■ 0.0657, 0.6425,
0.0530

123.6281,
146.6939, 141.0064

■ 0.0000, 0.0000,
0.0000

155.2923,

182.6803, 177.1784

191.9480,
224.1176, 219.0608

■ 18.0080, 23.7177,
20.4585

■ 18.0080, 23.7177,
20.4585

■ 16.1737, 22.8254,
17.9934

■ 20.1623, 24.7715,
23.1548

■ 14.6414, 22.0835,
15.7516

■ 22.6498, 25.9915,
26.0866

■ 13.3940, 21.4839,
13.7274

■ 25.4852, 27.3859,
29.2602

■ 12.4117, 21.0167,
11.9137

■ 28.6815, 28.9613,
32.6810

■ 11.6724, 20.6704,
10.3035

■ 32.2515, 30.7241,
36.3544

■ 11.1495, 20.4316,
8.8890

■ 36.2070, 32.6803,
40.2855

■ 10.8709, 20.3063,
8.0492

■ 40.5592, 34.8356,
44.4793

■ 45.3192, 37.1957,
48.9407

■ 50.4974, 39.7657,
53.6744

Harmonies

Analogous

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



19.4789, 23.7177, 15.5887



18.0080, 23.7177, 20.4585



17.7025, 23.7177, 27.8487

Triad

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



18.0080, 23.7177, 20.4585



23.2391, 23.7177, 43.9068



26.9972, 23.7177, 17.6693

Complementary

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



18.0080, 23.7177, 20.4585



19.2604, 15.7256, 20.7599

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.



28.1940, 23.7177, 23.9009



18.0080, 23.7177, 20.4585



25.9125, 23.7177, 39.7765

Square

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



18.0080, 23.7177, 20.4585



20.5819, 23.7177, 42.4669



27.7817, 23.7177, 32.0553



24.6248, 23.7177, 14.2213

Rectangle

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



18.0080, 23.7177, 20.4585



18.1760, 23.7177, 33.4552



27.7817, 23.7177, 32.0553



27.5587, 23.7177, 19.4525

Sweetspot

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



18.0086, 23.7187, 20.4590



41.4449, 46.5768, 47.7138



20.2824, 25.0179, 14.8265



9.3643, 10.6123, 10.7833



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.



18.0086, 23.7187, 20.4590



29.2876, 40.6272, 32.7903



19.5907, 24.3515, 28.7903



5.4347, 6.0661, 6.2552



9.4776, 17.6869, 7.0693



0.1014, 0.1734, 0.1242

Inverse Universe

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



19.2604, 15.7256, 20.7599



31.8435, 24.2969, 33.3978



17.9468, 15.2002, 13.8428



5.5279, 5.4717, 6.2780



11.3211, 5.6855, 7.3424



0.1193, 0.0588, 0.1286

Previews

White Background



This preview shows how the XYZ color 18.0080, 23.7177, 20.4585 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 18.0080, 23.7177, 20.4585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

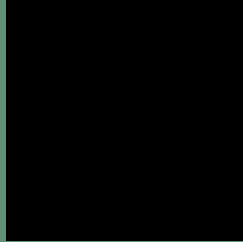
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.0080, 23.7177, 20.4585

Background



This preview shows how black text looks on a background with the XYZ color 18.0080, 23.7177, 20.4585.



This preview shows how white text looks on a background with the XYZ color 18.0080, 23.7177,

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

18.0080, 23.7177, 20.4585

Protanopia

22.0720, 23.4982, 18.4112

Deuteranopia

23.8718, 23.3737, 21.0227



Tritanopia

20.4121, 23.5832, 32.7543

Trichromacy



Original Color

18.0080, 23.7177, 20.4585

Protanomaly

20.2385, 23.3687, 19.0667

Deuteranomaly

21.2149, 23.2074, 20.8141

Tritanomaly

19.4406, 23.6232, 27.9612

Monochromacy



Original Color

18.0080, 23.7177, 20.4585

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.1651, 21.9181, 21.9594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0080, 23.7177, 20.4585 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(96, 144, 117)` looks like.

```
.text, #text, p{  
    color:rgb(96, 144, 117)  
}
```

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(96, 144, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 144, 117) }
```

Border

The CSS property to change the border of an element to XYZ 18.0080, 23.7177, 20.4585 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(96, 144, 117) }
```


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

```
.border{ border-color:rgb(96, 144, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 144, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 144, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 144, 117);  
box-shadow:4px 4px 4px 4px rgb(96, 144,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0080, 23.7177, 20.4585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 144, 117) }
```

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

```
.background{ background-color: rgb(96, 144,  
117) }
```

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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