

Converting Colors

XYZ(18.6189, 23.6908, 31.8684)

Have a look what the booklet for
XYZ(18.6189, 23.6908, 31.8684)
contains.

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Color

**XYZ(18.7063, 23.8219,
32.0459)**

Conversions

Conversions Part 1

Format	Color
Hex	509095
RGB	80, 144, 149
RGB Percent	31%, 56%, 58%
CMY	0.6863, 0.4353, 0.4157
CMYK	0.46, 0.03, 0.00, 0.42
HSL	184°, 30%, 45%
HSV	184°, 46%, 58%
XYZ	18.7063, 23.8219, 32.0459
YIQ	125.4340, -39.7490, -12.0130

Conversions

Conversions Part 2

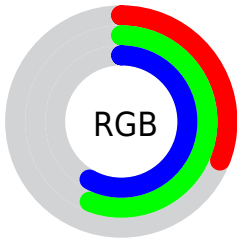
Format	Color
RYB	80, 113, 149
Decimal	5279893
CIELab	55.91, -19.11, -9.05
CIELCh	56, 21.150, 205.348
Yxy	23.8219, 0.2508, 0.3194
Android (android.graphics.Color)	4283469973 (0xFF509095)
YUV	125.4340, 11.6180, -39.8456
Hunter-Lab	48.8077, -17.0006, -4.7629

Details

The XYZ color **18.7063, 23.8219, 32.0459** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.0912, 13.4660, 9.2883**, and the grayscale version is **19.6115, 20.6328, 22.4692**.

A 20% lighter version of the original color is **40.8051, 49.7683, 63.9555**, and **6.4723, 8.8927, 12.9306** is the 20% darker color. If you saturate the color by 10%, you get **17.4226, 22.9191, 31.9397**, and if you desaturate by 10%, it is **20.2720, 24.8735, 32.1668**.

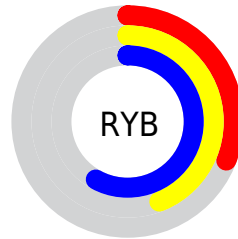
Distribution



Red (31%)

Green (56%)

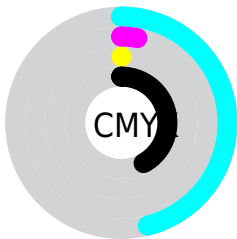
Blue (58%)



Red (31%)

Yellow (44%)

Blue (58%)

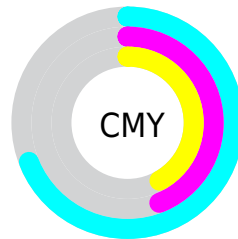


Cyan (46%)

Magenta (3%)

Yellow (0%)

Black (42%)



Cyan (69%)

Magenta (44%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7063, 23.8219, 32.0459 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 18.7063, 23.8219, 32.0459 by changing the saturation by 10% instead.

■ 18.7063, 23.8219,
32.0459

■ 18.7063, 23.8219,
32.0459

237.7919,
271.9188, 325.8275

■ 11.5610, 15.2016,
21.1315

■ 40.7579, 49.7394,
63.9818

■ 6.5156, 8.9610,
13.0279

■ 56.3950, 67.8054,
85.8403

■ 3.2046, 4.7157,
7.3168

■ 75.5933, 89.7887,
112.1839

■ 1.2629, 2.0815,
3.5796

■ 98.7183, 116.0737,
143.4312

■ 0.1552, 0.6542,
1.3977

■ 126.1353,
147.0448, 180.0006

■ 0.0000, 0.0000,
0.1399

158.2097,

■ 0.0000, 0.0000,

183.0864, 222.3108

0.0000

195.3068,
224.5830, 270.7802

■ 18.7063, 23.8219,
32.0459

■ 18.7063, 23.8219,
32.0459

■ 17.4226, 22.9191,
31.9397

■ 20.2720, 24.8735,
32.1668

■ 16.4001, 22.1527,
31.8457

■ 22.1346, 26.0799,
32.3015

■ 15.6185, 21.5129,
31.7634

■ 24.3102, 27.4500,
32.4512

■ 15.0537, 20.9871,
31.6917

■ 26.8135, 28.9914,
32.6168

■ 14.6694, 20.5567,
31.6288

■ 29.6581, 30.7110,
32.7988

■ 14.5431, 20.4063,
31.6065

■ 32.8566, 32.6155,
32.9978

■ 36.4215, 34.7112,
33.2145

■ 40.3641, 37.0040,
33.4492

■ 44.6956, 39.4996,
33.7026

Harmonies

Analogous

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



18.3294, 23.8219, 24.8762



18.7063, 23.8219, 32.0459



20.1075, 23.8219, 38.4615

Triad

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



18.7063, 23.8219, 32.0459



26.6728, 23.8219, 34.2413



23.0200, 23.8219, 14.8297

Complementary

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



18.7063, 23.8219, 32.0459



17.0912, 13.4660, 9.2883

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.



25.3810, 23.8219, 16.4792



18.7063, 23.8219, 32.0459



27.5829, 23.8219, 27.0296

Square

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



18.7063, 23.8219, 32.0459



24.6848, 23.8219, 39.8785



27.0943, 23.8219, 20.6601



20.7151, 23.8219, 15.6962

Rectangle

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



18.7063, 23.8219, 32.0459



21.4897, 23.8219, 41.0165



27.0943, 23.8219, 20.6601



23.8348, 23.8219, 15.0985

Sweetspot

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



18.7070, 23.8228, 32.0465



44.3948, 49.6921, 58.1729



15.6800, 23.8504, 12.2889



9.6536, 10.8976, 12.8795



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.7070, 23.8228, 32.0465



31.0320, 40.9218, 57.1844



14.2987, 15.0062, 30.5770



5.9285, 6.4911, 7.4102



12.2491, 17.1929, 26.6040



0.1586, 0.2277, 0.3285

Inverse Universe

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



20.2977, 14.1411, 28.0463



34.3231, 21.5253, 48.7656



20.4516, 20.1867, 10.4084



6.0174, 5.9020, 7.1976



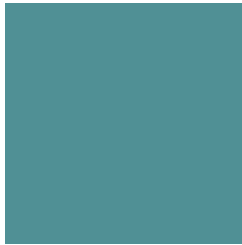
14.3098, 6.9290, 20.9104



0.1795, 0.0866, 0.2789

Previews

White Background



This preview shows how the XYZ color 18.7063, 23.8219, 32.0459 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 18.7063, 23.8219, 32.0459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

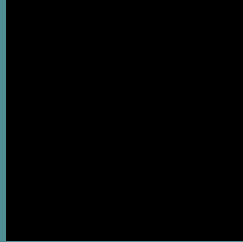
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.7063, 23.8219, 32.0459

Background



This preview shows how black text looks on a background with the XYZ color 18.7063, 23.8219, 32.0459.



This preview shows how white text looks on a background with the XYZ color 18.7063, 23.8219,

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

18.7063, 23.8219, 32.0459

Protanopia

22.9429, 23.7146, 28.9593

Deuteranopia

23.9667, 23.5506, 32.9883



Tritanopia

19.2185, 23.8053, 34.5923

Trichromacy



Original Color

18.7063, 23.8219, 32.0459

Protanomaly

20.9959, 23.5131, 30.2199

Deuteranomaly

21.4523, 23.2753, 32.6401

Tritanomaly

18.9656, 23.6942, 33.7108

Monochromacy



Original Color

18.7063, 23.8219, 32.0459

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.8610, 21.4750, 25.7053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7063, 23.8219, 32.0459 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(80, 144, 149)` looks like.

```
.text, #text, p{  
  color:rgb(80, 144, 149)  
}
```

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(80, 144, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 144, 149) }
```

Border

The CSS property to change the border of an element to XYZ 18.7063, 23.8219, 32.0459 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(80, 144, 149) }
```


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

```
.border{ border-color:rgb(80, 144, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 144, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 144, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 144, 149);  
box-shadow:4px 4px 4px 4px rgb(80, 144,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7063, 23.8219, 32.0459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 144, 149) }
```

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

```
.background{ background-color: rgb(80, 144,  
149) }
```

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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