

Converting Colors

XYZ(15.9093, 20.1739, 27.2919)

Have a look what the booklet for
XYZ(15.9093, 20.1739, 27.2919)
contains.

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Color

**XYZ(15.8718, 20.0950,
27.4683)**

Conversions

Conversions Part 1

Format	Color
Hex	4A858B
RGB	74, 133, 139
RGB Percent	29%, 52%, 55%
CMY	0.7098, 0.4784, 0.4549
CMYK	0.47, 0.04, 0.00, 0.45
HSL	186°, 31%, 42%
HSV	186°, 47%, 55%
XYZ	15.8718, 20.0950, 27.4683
YIQ	116.0430, -37.0900, -10.6420

Conversions

Conversions Part 2

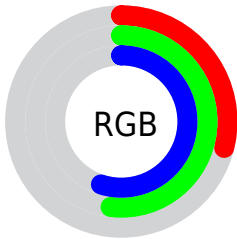
Format	Color
RYB	74, 105, 139
Decimal	4883851
CIELab	51.94, -17.53, -9.23
CIELCh	52, 19.807, 207.766
Yxy	20.0950, 0.2502, 0.3168
Android (android.graphics.Color)	4283073931 (0xFF4A858B)
YUV	116.0430, 11.3178, -36.8717
Hunter-Lab	44.8274, -15.2475, -4.9511

Details

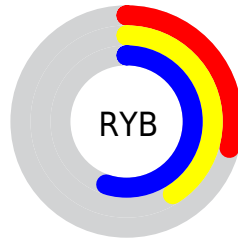
The XYZ color **15.8718, 20.0950, 27.4683** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.7526, 11.7211, 7.9640**, and the grayscale version is **16.5887, 17.4526, 19.0059**.

A 20% lighter version of the original color is **35.8257, 43.4356, 56.3649**, and **5.1276, 7.0270, 10.5373** is the 20% darker color. If you saturate the color by 10%, you get **14.7433, 19.2545, 27.3659**, and if you desaturate by 10%, it is **17.2402, 21.0632, 27.5834**.

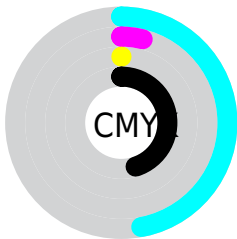
Distribution



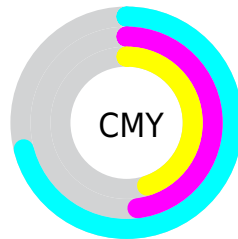
- Red (29%)
- Green (52%)
- Blue (55%)



- Red (29%)
- Yellow (41%)
- Blue (55%)



- Cyan (47%)
- Magenta (4%)
- Yellow (0%)
- Black (45%)



- Cyan (71%)
- Magenta (48%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8718, 20.0950, 27.4683 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 15.8718, 20.0950, 27.4683 by changing the saturation by 10% instead.

■ 15.8718, 20.0950,
27.4683

■ 15.8718, 20.0950,
27.4683

221.8693,
252.4289, 303.7490

■ 9.5238, 12.4641,
17.6897

■ 35.9347, 43.5764,
56.6473

■ 5.1442, 7.0606,
10.5603

■ 50.3804, 60.1957,
76.8847

■ 2.3677, 3.5000,
5.6616

■ 68.2559, 80.5800,
101.4455

■ 0.8290, 1.3980,
2.5750

■ 89.9266, 105.1135,
130.7483

■ 0.0000, 0.2153,
0.8795

■ 115.7580,
134.1808, 165.2114

■ 0.0000, 0.0000,
0.0000

146.1153,

168.1662, 205.2536

181.3640,
207.4541, 251.2933

■ 15.8718, 20.0950,
27.4683

■ 15.8718, 20.0950,
27.4683

■ 14.7433, 19.2545,
27.3659

■ 17.2402, 21.0632,
27.5834

■ 13.8370, 18.5314,
27.2741

■ 18.8609, 22.1643,
27.7105

■ 13.1359, 17.9171,
27.1925

■ 20.7479, 23.4058,
27.8507

■ 12.6197, 17.4013,
27.1201

■ 22.9132, 24.7940,
28.0045

■ 12.2529, 16.9657,
27.0554

■ 25.3684, 26.3349,
28.1725

■ 12.1432, 16.8300,
27.0350

■ 28.1244, 28.0341,
28.3553

■ 31.1915, 29.8969,
28.5532

■ 34.5794, 31.9284,
28.7667

■ 38.2975, 34.1334,
28.9964

Harmonies

Analogous

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



15.4832, 20.0950, 21.4503



15.8718, 20.0950, 27.4683



17.1064, 20.0950, 32.6745

Triad

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



15.8718, 20.0950, 27.4683



22.5688, 20.0950, 28.3495



19.2511, 20.0950, 12.5583

Complementary

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



15.8718, 20.0950, 27.4683



14.7526, 11.7211, 7.9640

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.



21.2421, 20.0950, 13.7708



15.8718, 20.0950, 27.4683



23.2395, 20.0950, 22.3155

Square

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



15.8718, 20.0950, 27.4683



20.9625, 20.0950, 33.2430



22.7380, 20.0950, 17.1063



17.3507, 20.0950, 13.4556

Rectangle

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



15.8718, 20.0950, 27.4683



18.2902, 20.0950, 34.6173



22.7380, 20.0950, 17.1063



19.9327, 20.0950, 12.7273

Sweetspot

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



15.8724, 20.0958, 27.4688



38.0607, 42.5009, 49.9405



13.4837, 20.4921, 10.7222



8.6055, 9.6868, 11.4956



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.



15.8724, 20.0958, 27.4688



26.3196, 34.4173, 48.9990



12.1466, 12.6441, 26.2268



5.1341, 5.6111, 6.4183



10.9662, 15.2027, 24.4021



0.0782, 0.1117, 0.1639

Inverse Universe

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



17.3304, 12.0806, 23.6095



29.3287, 18.4845, 40.8973



17.6690, 17.5539, 8.9361



5.2143, 5.1212, 6.2169



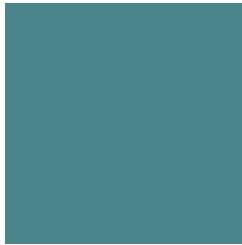
13.0220, 6.3189, 18.4182



0.0892, 0.0431, 0.1365

Previews

White Background



This preview shows how the XYZ color 15.8718, 20.0950, 27.4683 looks on a white background.

Color Contrast Check

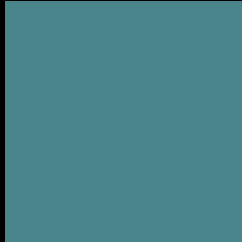
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8718, 20.0950, 27.4683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

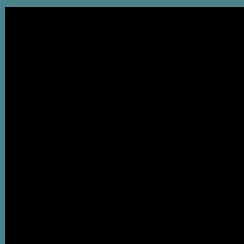
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.8718, 20.0950, 27.4683

Background



This preview shows how black text looks on a background with the XYZ color 15.8718, 20.0950, 27.4683.



This preview shows how white text looks on a background with the XYZ color 15.8718, 20.0950,

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

15.8718, 20.0950, 27.4683

Protanopia

19.2928, 19.7960, 24.6340

Deuteranopia

20.2031, 19.8216, 28.3523



Tritanopia

16.1108, 19.9816, 28.9943

Trichromacy



Original Color

15.8718, 20.0950, 27.4683

Protanomaly

17.6597, 19.6742, 25.7884

Deuteranomaly

18.2047, 19.7161, 28.0454

Tritanomaly

16.0354, 19.9514, 28.5970

Monochromacy



Original Color

15.8718, 20.0950, 27.4683

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.9645, 18.1410, 21.7289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8718, 20.0950, 27.4683 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(74, 133, 139)` looks like.

```
.text, #text, p{  
    color:rgb(74, 133, 139)  
}
```

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(74, 133, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 133, 139) }
```

Border

The CSS property to change the border of an element to XYZ 15.8718, 20.0950, 27.4683 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(74, 133, 139) }
```


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

```
.border{ border-color:rgb(74, 133, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 133, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 133, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 133, 139);  
box-shadow:4px 4px 4px 4px rgb(74, 133,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8718, 20.0950, 27.4683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 133, 139) }
```

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

```
.background{ background-color: rgb(74, 133,  
139) }
```

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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