

Converting Colors

XYZ(16.0298, 18.2553, 20.4821)

Have a look what the booklet for
XYZ(16.0298, 18.2553, 20.4821)
contains.

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Color

**XYZ(15.9432, 18.1587,
20.4340)**

Conversions

Conversions Part 1

Format	Color
Hex	677A78
RGB	103, 122, 120
RGB Percent	40%, 48%, 47%
CMY	0.5961, 0.5216, 0.5294
CMYK	0.16, 0.00, 0.02, 0.52
HSL	174°, 8%, 44%
HSV	174°, 16%, 48%
XYZ	15.9432, 18.1587, 20.4340
YIQ	116.0910, -10.6820, -4.6500

Conversions

Conversions Part 2

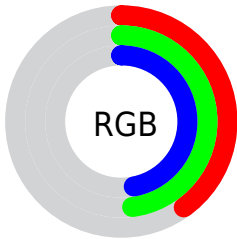
Format	Color
R_{YB}	103, 113, 122
Decimal	6781560
CIE _{Lab}	49.69, -7.39, -1.25
CIE _{LCh}	50, 7.493, 189.608
Yxy	18.1587, 0.2923, 0.3330
Android (android.graphics.Color)	4284971640 (0xFF677A78)
YUV	116.0910, 1.9271, -11.4808
Hunter-Lab	42.6130, -7.7890, 1.3981

Details

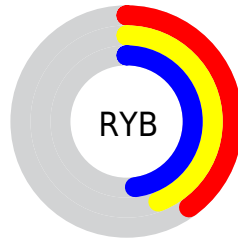
The XYZ color **15.9432, 18.1587, 20.4340** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.4267, 14.8584, 15.4202**, and the grayscale version is **16.6254, 17.4912, 19.0479**.

A 20% lighter version of the original color is **35.9089, 40.1207, 44.8812**, and **5.1831, 6.0737, 7.0301** is the 20% darker color. If you saturate the color by 10%, you get **14.5673, 17.4589, 19.9655**, and if you desaturate by 10%, it is **17.5254, 18.9658, 20.9184**.

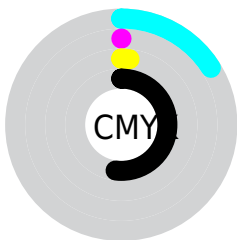
Distribution



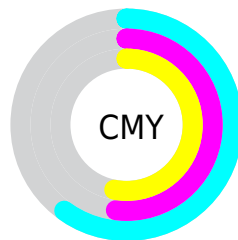
- Red (40%)
- Green (48%)
- Blue (47%)



- Red (40%)
- Yellow (44%)
- Blue (48%)



- Cyan (16%)
- Magenta (0%)
- Yellow (2%)
- Black (52%)



- Cyan (60%)
- Magenta (52%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9432, 18.1587, 20.4340 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 15.9432, 18.1587, 20.4340 by changing the saturation by 10% instead.

■ 15.9432, 18.1587,
20.4340

■ 15.9432, 18.1587,
20.4340

222.2833,
241.7640, 266.9365

■ 9.5746, 11.0640,
12.5237

■ 36.0578, 40.3076,
45.0121

■ 5.1779, 6.1099,
6.9746

■ 50.5345, 56.1305,
62.5170

■ 2.3878, 2.9120,
3.3680

■ 68.4446, 75.6316,
84.0572

■ 0.8391, 1.0860,
1.2855

■ 90.1534, 99.1954,
110.0513

■ 0.0000, 0.0000,
0.0498

116.0263,
127.2061, 140.9177

■ 0.0000, 0.0000,
0.0000

146.4287,

160.0481, 177.0750

181.7259,
198.1060, 218.9418

■ 15.9432, 18.1587,
20.4340

■ 15.9432, 18.1587,
20.4340

■ 14.5673, 17.4589,
19.9655

■ 17.5254, 18.9658,
20.9184

■ 13.3874, 16.8594,
19.5112

■ 19.3206, 19.8820,
21.4179

■ 12.3945, 16.3563,
19.0711

■ 21.3371, 20.9123,
21.9332

■ 11.5784, 15.9441,
18.6447

■ 23.5825, 22.0604,
22.4648

■ 10.9278, 15.6172,
18.2314

■ 26.0637, 23.3299,
23.0130

■ 10.4302, 15.3691,
17.8306

■ 28.7876, 24.7244,
23.5781

■ 10.0714, 15.1923,
17.4417

■ 31.7606, 26.2473,
24.1604

■ 9.8266, 15.0743,
17.0634

■ 34.9890, 27.9016,
24.7603

■ 9.7283, 15.0271,
16.8982

■ 38.4788, 29.6907,
25.3781

Harmonies

Analogous

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



16.0065, 18.1587, 18.4356



15.9432, 18.1587, 20.4340



16.2250, 18.1587, 22.3806

Triad

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



15.9432, 18.1587, 20.4340



18.1477, 18.1587, 22.9519



17.7412, 18.1587, 16.3167

Complementary

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



15.9432, 18.1587, 20.4340



15.4267, 14.8584, 15.4202

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.



18.3367, 18.1587, 17.3739



15.9432, 18.1587, 20.4340



18.5758, 18.1587, 21.1709

Square

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



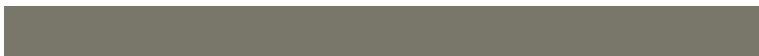
15.9432, 18.1587, 20.4340



17.4890, 18.1587, 23.8989



18.6459, 18.1587, 19.1239



17.0316, 18.1587, 16.1494

Rectangle

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



15.9432, 18.1587, 20.4340



16.5753, 18.1587, 23.3537



18.6459, 18.1587, 19.1239



17.9619, 18.1587, 16.5762

Sweetspot

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



15.9437, 18.1595, 20.4344



30.9662, 33.4339, 36.8393



15.2594, 17.9155, 15.4860



7.0423, 7.6252, 8.4123



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



15.9437, 18.1595, 20.4344



27.0662, 31.4462, 35.6251



15.2054, 16.4862, 20.7940



4.0897, 4.5055, 5.0064



10.2401, 15.8197, 17.7808



48.6594, 75.3868, 83.8336

Inverse Universe

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



15.4267, 14.8584, 15.4202



25.9594, 24.3783, 24.8902



16.0814, 16.3305, 15.1367



4.0139, 4.0213, 4.2708



8.5239, 4.3857, 0.7836



40.5012, 20.8568, 2.9036

Previews

White Background



This preview shows how the XYZ color 15.9432, 18.1587, 20.4340 looks on a white 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

Black Background



This preview shows how the XYZ color 15.9432, 18.1587, 20.4340 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

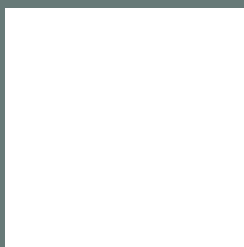
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9432, 18.1587, 20.4340

Background



This preview shows how black text looks on a background with the XYZ color 15.9432, 18.1587, 20.4340.



This preview shows how white text looks on a background with the XYZ color 15.9432, 18.1587,

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

15.9432, 18.1587, 20.4340

Protanopia

17.3179, 18.0000, 19.3912

Deuteranopia

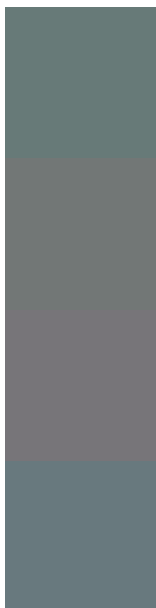
18.4323, 18.0290, 20.9208



Tritanopia

16.5714, 18.0479, 23.7293

Trichromacy



Original Color

15.9432, 18.1587, 20.4340

Protanomaly

16.8063, 18.0791, 19.7434

Deuteranomaly

17.4202, 18.0250, 20.6502

Tritanomaly

16.3122, 18.1242, 22.3772

Monochromacy



Original Color

15.9432, 18.1587, 20.4340

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.2449, 17.6207, 19.3746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9432, 18.1587, 20.4340 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(103, 122, 120)` looks like.

```
.text, #text, p{  
    color:rgb(103, 122, 120)  
}
```

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(103, 122, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 122, 120) }
```

Border

The CSS property to change the border of an element to XYZ 15.9432, 18.1587, 20.4340 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(103, 122, 120) }
```


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

```
.border{ border-color:rgb(103, 122, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 122, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 122, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 122, 120);  
box-shadow:4px 4px 4px 4px rgb(103, 122,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9432, 18.1587, 20.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 122, 120) }
```

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

```
.background{ background-color: rgb(103,  
122, 120) }
```

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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