

Converting Colors

XYZ(15.8218, 20.5331, 27.5558)

Have a look what the booklet for
XYZ(15.8218, 20.5331, 27.5558)
contains.

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Color

**XYZ(15.7784, 20.4572,
27.5431)**

Conversions

Conversions Part 1

Format	Color
Hex	45878B
RGB	69, 135, 139
RGB Percent	27%, 53%, 55%
CMY	0.7294, 0.4706, 0.4549
CMYK	0.50, 0.03, 0.00, 0.45
HSL	183°, 34%, 41%
HSV	183°, 50%, 55%
XYZ	15.7784, 20.4572, 27.5431
YIQ	115.7220, -40.6200, -12.7480

Conversions

Conversions Part 2

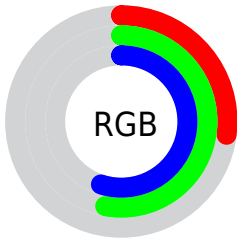
Format	Color
RYB	69, 103, 139
Decimal	4556683
CIELab	52.35, -19.82, -8.64
CIElCh	52, 21.619, 203.563
Yxy	20.4572, 0.2474, 0.3208
Android (android.graphics.Color)	4282746763 (0xFF45878B)
YUV	115.7220, 11.4761, -40.9752
Hunter-Lab	45.2296, -16.8820, -4.4446

Details

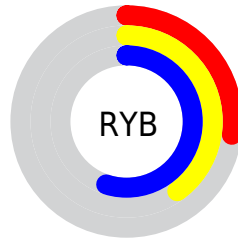
The XYZ color **15.7784, 20.4572, 27.5431** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.1046, 10.6841, 6.9496**, and the grayscale version is **16.4909, 17.3497, 18.8938**.

A 20% lighter version of the original color is **35.6660, 43.9832, 56.4790**, and **5.1017, 7.2441, 10.5806** is the 20% darker color. If you saturate the color by 10%, you get **14.7954, 19.7870, 27.4659**, and if you desaturate by 10%, it is **16.9945, 21.2497, 27.6323**.

Distribution



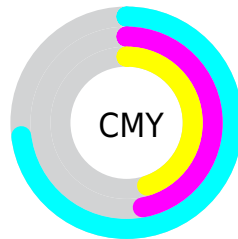
- Red (27%)
- Green (53%)
- Blue (55%)



- Red (27%)
- Yellow (40%)
- Blue (55%)



- Cyan (50%)
- Magenta (3%)
- Yellow (0%)
- Black (45%)



- Cyan (73%)
- Magenta (47%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7784, 20.4572, 27.5431 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 15.7784, 20.4572, 27.5431 by changing the saturation by 10% instead.

■ 15.7784, 20.4572,
27.5431

■ 15.7784, 20.4572,
27.5431

221.3267,
254.3796, 304.1201

■ 9.4573, 12.7278,
17.7455

■ 35.7736, 44.1824,
56.7684

■ 5.1002, 7.2414,
10.5999

■ 50.1785, 60.9470,
77.0332

■ 2.3415, 3.6135,
5.6877

■ 68.0087, 81.4921,
101.6242

■ 0.8158, 1.4598,
2.5904

■ 89.6295, 106.2022,
130.9599

■ 0.0000, 0.2602,
0.8875

■ 115.4064,
135.4616, 165.4587

■ 0.0000, 0.0000,
0.0000

145.7047,

169.6547, 205.5394

180.8896,
209.1659, 251.6203

■ 15.7784, 20.4572,
27.5431

■ 15.7784, 20.4572,
27.5431

■ 14.7954, 19.7870,
27.4659

■ 16.9945, 21.2497,
27.6323

■ 14.0272, 19.2284,
27.3986

■ 18.4566, 22.1698,
27.7329

■ 13.4559, 18.7725,
27.3407

■ 20.1790, 23.2252,
27.8458

■ 13.0599, 18.4081,
27.2912

■ 22.1741, 24.4225,
27.9718

■ 12.7847, 18.1129,
27.2488

■ 24.4537, 25.7677,
28.1113

■ 27.0289, 27.2665,
28.2648

■ 29.9101, 28.9244,
28.4330

■ 33.1074, 30.7464,
28.6161

■ 36.6303, 32.7375,
28.8148

Harmonies

Analogous

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



15.4931, 20.4572, 20.9281



15.7784, 20.4572, 27.5431



17.0108, 20.4572, 33.6639

Triad

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



15.7784, 20.4572, 27.5431



23.0949, 20.4572, 30.3776



19.9278, 20.4572, 12.1786

Complementary

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



15.7784, 20.4572, 27.5431



14.1046, 10.6841, 6.9496

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.



22.0987, 20.4572, 13.7960



15.7784, 20.4572, 27.5431



24.0151, 20.4572, 23.6773

Square

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



15.7784, 20.4572, 27.5431



21.2058, 20.4572, 35.5066



23.6373, 20.4572, 17.7245



17.7825, 20.4572, 12.8213

Rectangle

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



15.7784, 20.4572, 27.5431



18.2577, 20.4572, 36.2224



23.6373, 20.4572, 17.7245



20.6805, 20.4572, 12.4641

Sweetspot

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



15.7790, 20.4580, 27.5436



37.8718, 42.6382, 49.9769



12.8734, 20.2053, 9.4388



8.5751, 9.7338, 11.5063



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.



15.7790, 20.4580, 27.5436



26.3492, 35.3316, 49.1739



11.7202, 12.3404, 26.1907



5.1488, 5.6405, 6.4232



11.5428, 16.3560, 24.5943



0.0801, 0.1156, 0.1645

Inverse Universe

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



17.1493, 11.4950, 24.2374



29.1350, 17.6081, 42.3405



17.0321, 16.5391, 7.9254



5.2217, 5.1241, 6.2560



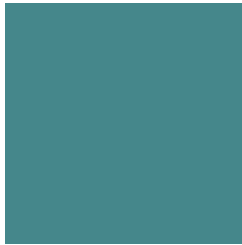
13.3131, 6.4354, 19.9509



0.0902, 0.0434, 0.1417

Previews

White Background



This preview shows how the XYZ color 15.7784, 20.4572, 27.5431 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 15.7784, 20.4572, 27.5431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

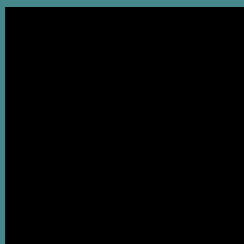
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

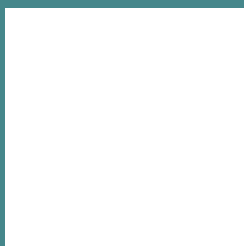
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.7784, 20.4572, 27.5431

Background



This preview shows how black text looks on a background with the XYZ color 15.7784, 20.4572, 27.5431.

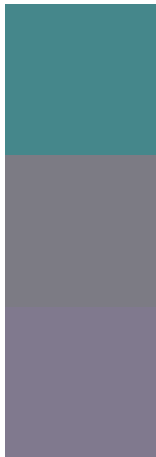


This preview shows how white text looks on a background with the XYZ color 15.7784, 20.4572,

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

15.7784, 20.4572, 27.5431

Protanopia

19.5600, 20.1169, 24.6818

Deuteranopia

20.6219, 20.2169, 28.4065



Tritanopia

16.2345, 20.4341, 29.8766

Trichromacy



Original Color

15.7784, 20.4572, 27.5431

Protanomaly

17.6715, 19.8711, 25.8258

Deuteranomaly

18.3320, 19.9706, 28.0878

Tritanomaly

16.0088, 20.3355, 29.0680

Monochromacy



Original Color

15.7784, 20.4572, 27.5431

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.8666, 18.2738, 21.7597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7784, 20.4572, 27.5431 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(69, 135, 139)` looks like.

```
.text, #text, p{  
    color:rgb(69, 135, 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(69, 135, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 135, 139) }
```

Border

The CSS property to change the border of an element to XYZ 15.7784, 20.4572, 27.5431 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(69, 135, 139) }
```


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

```
.border{ border-color:rgb(69, 135, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 135, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 135, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 135, 139);  
box-shadow:4px 4px 4px 4px rgb(69, 135,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7784, 20.4572, 27.5431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 135, 139) }
```

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

```
.background{ background-color: rgb(69, 135,  
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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