

Converting Colors

XYZ(15.6313, 19.8343, 20.8279)

Have a look what the booklet for
XYZ(15.6313, 19.8343, 20.8279)
contains.

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Color

**XYZ(15.6659, 19.9333,
20.7911)**

Conversions

Conversions Part 1

Format	Color
Hex	588478
RGB	88, 132, 120
RGB Percent	35%, 52%, 47%
CMY	0.6549, 0.4823, 0.5294
CMYK	0.33, 0.00, 0.09, 0.48
HSL	164°, 20%, 43%
HSV	164°, 33%, 52%
XYZ	15.6659, 19.9333, 20.7911
YIQ	117.4760, -22.3720, -13.0600

Conversions

Conversions Part 2

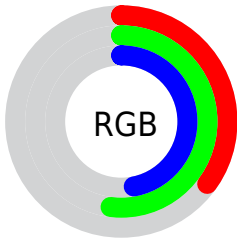
Format	Color
RYB	88, 113, 132
Decimal	5801080
CIELab	51.76, -17.93, 1.66
CIELCh	52, 18.011, 174.707
Yxy	19.9333, 0.2778, 0.3535
Android (android.graphics.Color)	4283991160 (0xFF588478)
YUV	117.4760, 1.2443, -25.8505
Hunter-Lab	44.6467, -15.4987, 3.6425

Details

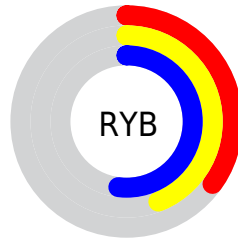
The XYZ color **15.6659, 19.9333, 20.7911** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.3064, 12.8055, 13.7223**, and the grayscale version is **17.0580, 17.9463, 19.5435**.

A 20% lighter version of the original color is **35.4428, 43.1654, 45.4935**, and **5.0237, 6.9338, 7.2045** is the 20% darker color. If you saturate the color by 10%, you get **14.3135, 19.2614, 19.6088**, and if you desaturate by 10%, it is **17.2540, 20.7268, 22.0282**.

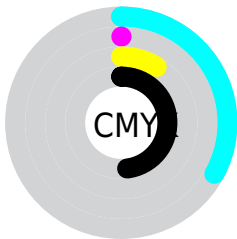
Distribution



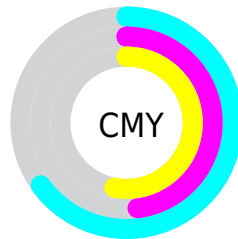
- Red (35%)
- Green (52%)
- Blue (47%)



- Red (35%)
- Yellow (44%)
- Blue (52%)



- Cyan (33%)
- Magenta (0%)
- Yellow (9%)
- Black (48%)



- Cyan (65%)
- Magenta (48%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6659, 19.9333, 20.7911 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 15.6659, 19.9333, 20.7911 by changing the saturation by 10% instead.

■ 15.6659, 19.9333,
20.7911

■ 15.6659, 19.9333,
20.7911

220.6715,
251.5538, 268.9107

■ 9.3774, 12.3466,
12.7816

■ 35.5794, 43.3053,
45.6159

■ 5.0472, 6.9802,
7.1494

■ 49.9350, 59.8594,
63.2683

■ 2.3100, 3.4497,
3.4758

■ 67.7105, 80.1714,
84.9720

■ 0.7998, 1.3708,
1.3424

■ 89.2710, 104.6257,
111.1458

■ 0.0000, 0.1950,
0.0962

■ 114.9820,
133.6067, 142.2079

■ 0.0000, 0.0000,
0.0000

145.2089,

167.4988, 178.5771

180.3169,
206.6864, 220.6719

■ 15.6659, 19.9333,
20.7911

■ 15.6659, 19.9333,
20.7911

■ 14.3135, 19.2614,
19.6088

■ 17.2540, 20.7268,
22.0282

■ 13.1827, 18.7023,
18.4789

■ 19.0874, 21.6452,
23.3197

■ 12.2606, 18.2498,
17.4007

■ 21.1773, 22.6950,
24.6670

■ 11.5323, 17.8964,
16.3731

■ 23.5338, 23.8812,
26.0710

■ 10.9807, 17.6331,
15.3948

■ 26.1662, 25.2086,
27.5327

■ 10.5852, 17.4494,
14.4642

■ 29.0836, 26.6820,
29.0528

■ 10.3629, 17.3477,
13.8681

■ 32.2946, 28.3056,
30.6321

■ 35.8073, 30.0839,
32.2716

■ 39.6297, 32.0207,
33.9720

Harmonies

Analogous

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



16.2268, 19.9333, 16.4057



15.6659, 19.9333, 20.7911



15.9369, 19.9333, 26.1758

Triad

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



15.6659, 19.9333, 20.7911



20.4491, 19.9333, 32.1598



21.0440, 19.9333, 14.4986

Complementary

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



15.6659, 19.9333, 20.7911



15.3064, 12.8055, 13.7223

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.



22.3118, 19.9333, 17.7729



15.6659, 19.9333, 20.7911



21.9532, 19.9333, 28.0354

Square

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



15.6659, 19.9333, 20.7911



18.6245, 19.9333, 33.3119



22.6547, 19.9333, 22.6432



19.2712, 19.9333, 13.1646

Rectangle

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



15.6659, 19.9333, 20.7911



16.5626, 19.9333, 29.5590



22.6547, 19.9333, 22.6432



21.5478, 19.9333, 15.3806

Sweetspot

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



15.6665, 19.9341, 20.7916



34.7167, 38.6763, 41.8033



15.3206, 19.9440, 12.2749



7.9829, 8.9545, 9.6669



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.6665, 19.9341, 20.7916



25.7568, 34.1977, 35.0392



15.2069, 17.7753, 24.4602



4.7489, 5.2578, 5.6887



10.0357, 16.7971, 13.4394



0.0378, 0.0594, 0.0627

Inverse Universe

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



15.3064, 12.8055, 13.7223



25.0240, 19.6286, 20.6073



15.6019, 14.2589, 11.1627



4.7209, 4.7080, 5.1427



9.5240, 4.8740, 2.0659



0.0357, 0.0180, 0.0216

Previews

White Background



This preview shows how the XYZ color 15.6659, 19.9333, 20.7911 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 15.6659, 19.9333, 20.7911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

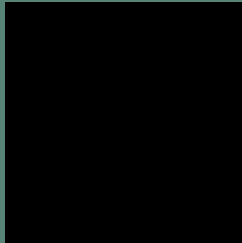
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

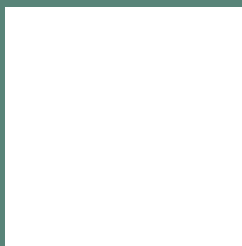
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.6659, 19.9333, 20.7911

Background



This preview shows how black text looks on a background with the XYZ color 15.6659, 19.9333, 20.7911.

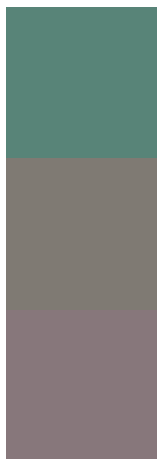


This preview shows how white text looks on a background with the XYZ color 15.6659, 19.9333,

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

15.6659, 19.9333, 20.7911

Protanopia

18.8064, 19.6689, 19.0249

Deuteranopia

20.1637, 19.7746, 21.4930



Tritanopia

16.9975, 19.8693, 27.7502

Trichromacy



Original Color

15.6659, 19.9333, 20.7911

Protanomaly

17.4818, 19.7168, 19.7140

Deuteranomaly

18.1917, 19.6720, 21.2506

Tritanomaly

16.5307, 19.8829, 25.1568

Monochromacy



Original Color

15.6659, 19.9333, 20.7911

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.1734, 18.2912, 19.8177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6659, 19.9333, 20.7911 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(88, 132, 120)` looks like.

```
.text, #text, p{  
    color:rgb(88, 132, 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(88, 132, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 132, 120) }
```

Border

The CSS property to change the border of an element to XYZ 15.6659, 19.9333, 20.7911 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(88, 132, 120) }
```


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

```
.border{ border-color:rgb(88, 132, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 132, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 132, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 132, 120);  
box-shadow:4px 4px 4px 4px rgb(88, 132,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6659, 19.9333, 20.7911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 132, 120) }
```

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

```
.background{ background-color: rgb(88, 132,  
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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