

Converting Colors

XYZ(20.7222, 26.8825, 33.3760)

Have a look what the booklet for
XYZ(20.7222, 26.8825, 33.3760)
contains.

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Color

**XYZ(20.7235, 26.9481,
33.3874)**

Conversions

Conversions Part 1

Format	Color
Hex	559997
RGB	85, 153, 151
RGB Percent	33%, 60%, 59%
CMY	0.6667, 0.4000, 0.4078
CMYK	0.44, 0.00, 0.01, 0.40
HSL	178°, 29%, 47%
HSV	178°, 44%, 60%
XYZ	20.7235, 26.9481, 33.3874
YIQ	132.4400, -39.8860, -15.0380

Conversions

Conversions Part 2

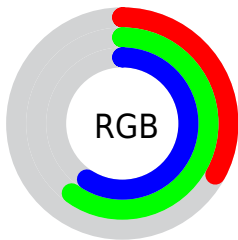
Format	Color
RYB	85, 120, 153
Decimal	5609879
CIELab	58.93, -22.02, -5.68
CIELCh	59, 22.741, 194.473
Yxy	26.9481, 0.2557, 0.3325
Android (android.graphics.Color)	4283799959 (0xFF559997)
YUV	132.4400, 9.1501, -41.6049
Hunter-Lab	51.9116, -19.5866, -1.7948

Details

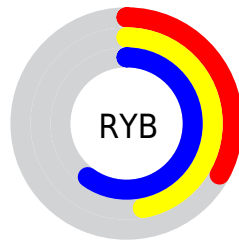
The XYZ color **20.7235, 26.9481, 33.3874** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.1066, 13.9583, 10.7578**, and the grayscale version is **22.0701, 23.2194, 25.2859**.

A 20% lighter version of the original color is **44.2228, 55.0085, 66.0445**, and **7.5583, 10.6841, 13.7205** is the 20% darker color. If you saturate the color by 10%, you get **19.4456, 26.2942, 33.1376**, and if you desaturate by 10%, it is **22.3035, 27.7590, 33.6532**.

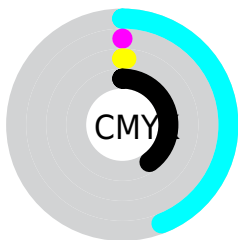
Distribution



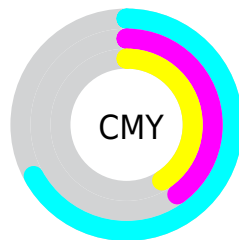
- Red (33%)
- Green (60%)
- Blue (59%)



- Red (33%)
- Yellow (47%)
- Blue (60%)



- Cyan (44%)
- Magenta (0%)
- Yellow (1%)
- Black (40%)



- Cyan (67%)
- Magenta (40%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7235, 26.9481, 33.3874 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 20.7235, 26.9481, 33.3874 by changing the saturation by 10% instead.

■ 20.7235, 26.9481,
33.3874

■ 20.7235, 26.9481,
33.3874

248.5650,
287.4057, 332.0772

■ 13.0333, 17.5342,
22.1498

■ 44.1217, 54.8006,
66.1029

■ 7.5287, 10.6161,
13.7677

■ 60.5604, 74.0080,
88.4178

■ 3.8441, 5.8093,
7.8224

■ 80.6460, 97.2487,
115.2623

■ 1.6143, 2.7295,
3.8953

■ 104.7439,
124.9071, 147.0550

■ 0.4017, 0.9922,
1.5681

133.2193,
157.3676, 184.2142

■ 0.0000, 0.0000,
0.2679

166.4378,

■ 0.0000, 0.0000,

195.0147, 227.1586

0.0000

204.7646,
238.2326, 276.3068

■ 20.7235, 26.9481,
33.3874

■ 20.7235, 26.9481,
33.3874

■ 19.4456, 26.2942,
33.1376

■ 22.3035, 27.7590,
33.6532

■ 18.4478, 25.7840,
32.9011

■ 24.2011, 28.7330,
33.9341

■ 17.7091, 25.4074,
32.6774

■ 26.4333, 29.8795,
34.2313

■ 17.2044, 25.1514,
32.4654

■ 29.0156, 31.2064,
34.5457

■ 16.9029, 25.0001,
32.2636

■ 31.9622, 32.7212,
34.8778

■ 16.7765, 24.9372,
32.1537

■ 35.2868, 34.4308,
35.2283

■ 39.0021, 36.3417,
35.5979

■ 43.1205, 38.4605,
35.9871

■ 47.6535, 40.7930,
36.3964

Harmonies

Analogous

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



20.7459, 26.9481, 25.3861



20.7235, 26.9481, 33.3874



21.9432, 26.9481, 41.5915

Triad

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



20.7235, 26.9481, 33.3874



29.5939, 26.9481, 41.8465



27.0893, 26.9481, 16.8009

Complementary

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



20.7235, 26.9481, 33.3874



18.1066, 13.9583, 10.7578

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.



29.6716, 26.9481, 19.7699



20.7235, 26.9481, 33.3874



31.1882, 26.9481, 33.6886

Square

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



20.7235, 26.9481, 33.3874



26.9895, 26.9481, 47.0485



31.2176, 26.9481, 25.6371



24.2848, 26.9481, 16.7501

Rectangle

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



20.7235, 26.9481, 33.3874



23.3517, 26.9481, 45.6636



31.2176, 26.9481, 25.6371



28.0165, 26.9481, 17.4625

Sweetspot

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



20.7243, 26.9492, 33.3880



47.8526, 53.7736, 61.3674



16.9873, 25.4785, 12.6176



10.3708, 11.7733, 13.5256



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.7243, 26.9492, 33.3880



34.9044, 47.1296, 59.3609



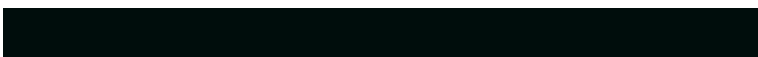
16.3668, 17.9719, 32.7444



6.3767, 7.0234, 7.9072



13.8673, 20.6104, 26.5853



0.2094, 0.3090, 0.4086

Inverse Universe

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



18.1066, 13.9583, 10.7578



29.6219, 20.8976, 13.6807



21.1078, 20.0897, 11.3603



6.2158, 6.2255, 6.5165



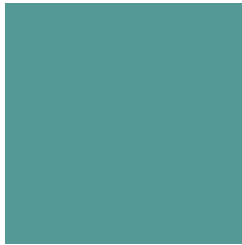
10.8800, 5.6062, 0.6272



0.1644, 0.0845, 0.0184

Previews

White Background



This preview shows how the XYZ color 20.7235, 26.9481, 33.3874 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 20.7235, 26.9481, 33.3874 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 20.7235, 26.9481, 33.3874

Background



This preview shows how black text looks on a background with the XYZ color 20.7235, 26.9481, 33.3874.

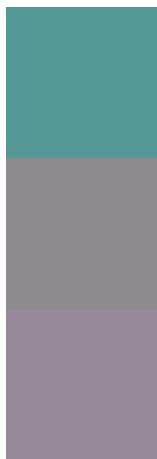


This preview shows how white text looks on a background with the XYZ color 20.7235, 26.9481,

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

20.7235, 26.9481, 33.3874

Protanopia

25.6637, 26.5790, 29.7642

Deuteranopia

27.1728, 26.6140, 34.2767



Tritanopia

21.7973, 26.9014, 38.6940

Trichromacy



Original Color

20.7235, 26.9481, 33.3874

Protanomaly

23.3397, 26.4637, 31.0720

Deuteranomaly

24.1764, 26.3804, 33.9547

Tritanomaly

21.5107, 27.0344, 36.8853

Monochromacy



Original Color

20.7235, 26.9481, 33.3874

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.1085, 24.2651, 27.9972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7235, 26.9481, 33.3874 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(85, 153, 151)` looks like.

```
.text, #text, p{  
    color:rgb(85, 153, 151)  
}
```

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(85, 153, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 153, 151) }
```

Border

The CSS property to change the border of an element to XYZ 20.7235, 26.9481, 33.3874 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(85, 153, 151) }
```


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

```
.border{ border-color:rgb(85, 153, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 153, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 153, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 153, 151);  
box-shadow:4px 4px 4px 4px rgb(85, 153,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7235, 26.9481, 33.3874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 153, 151) }
```

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

```
.background{ background-color: rgb(85, 153,  
151) }
```

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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