

Converting Colors

XYZ(15.7133, 22.0184, 28.4400)

Have a look what the booklet for
XYZ(15.7133, 22.0184, 28.4400)
contains.

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Color

**XYZ(15.6530, 21.8734,
28.5963)**

Conversions

Conversions Part 1

Format	Color
Hex	2F8E8D
RGB	47, 142, 141
RGB Percent	18%, 56%, 55%
CMY	0.8157, 0.4431, 0.4471
CMYK	0.67, 0.00, 0.01, 0.44
HSL	179°, 50%, 37%
HSV	179°, 67%, 56%
XYZ	15.6530, 21.8734, 28.5963
YIQ	113.4810, -56.2990, -20.4510

Conversions

Conversions Part 2

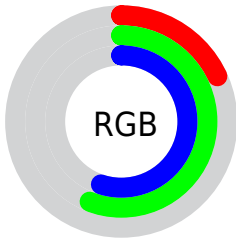
Format	Color
RYB	47, 95, 142
Decimal	3116685
CIELab	53.89, -27.19, -7.58
CIElCh	54, 28.229, 195.566
Yxy	21.8734, 0.2367, 0.3308
Android (android.graphics.Color)	4281306765 (0xFF2F8E8D)
YUV	113.4810, 13.5669, -58.3038
Hunter-Lab	46.7690, -22.1041, -3.5138

Details

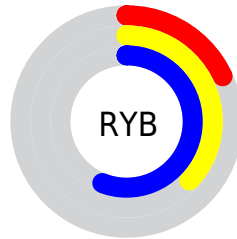
The XYZ color **15.6530, 21.8734, 28.5963** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.7061, 7.9979, 3.6711**, and the grayscale version is **15.8126, 16.6361, 18.1167**.

A 20% lighter version of the original color is **35.5341, 46.4842, 58.7293**, and **5.6294, 8.2375, 11.1908** is the 20% darker color. If you saturate the color by 10%, you get **15.0910, 21.5854, 28.5124**, and if you desaturate by 10%, it is **16.4294, 22.2729, 28.6913**.

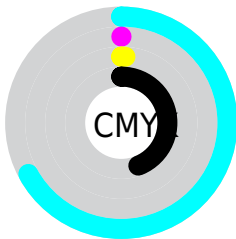
Distribution



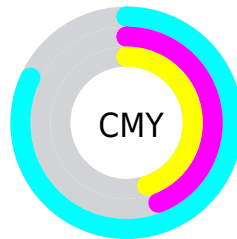
- Red (18%)
- Green (56%)
- Blue (55%)



- Red (18%)
- Yellow (37%)
- Blue (56%)



- Cyan (67%)
- Magenta (0%)
- Yellow (1%)
- Black (44%)



- Cyan (82%)
- Magenta (44%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6530, 21.8734, 28.5963 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 15.6530, 21.8734, 28.5963 by changing the saturation by 10% instead.

■ 15.6530, 21.8734,
28.5963

■ 15.6530, 21.8734,
28.5963

■ 220.5962,
261.8844, 309.3065

■ 9.3682, 13.7639,
18.5327

■ 35.5571, 46.5367,
58.4696

■ 5.0412, 7.9566,
11.1597

■ 49.9071, 63.8592,
79.1163

■ 2.3064, 4.0672,
6.0588

■ 67.6762, 85.0216,
104.1279

■ 0.7980, 1.7112,
2.8115

■ 89.2298, 110.4082,
133.9228

■ 0.0000, 0.4309,
0.9992

■ 114.9333,
140.4034, 168.9195

■ 0.0000, 0.0000,
0.0000

■ 145.1519,

175.3915, 209.5367

180.2511,
215.7571, 256.1929

■ 15.6530, 21.8734,
28.5963

■ 15.6530, 21.8734,
28.5963

■ 15.0910, 21.5854,
28.5124

■ 16.4294, 22.2729,
28.6913

■ 14.7198, 21.3954,
28.4370

■ 17.4369, 22.7910,
28.7967

■ 14.5029, 21.2848,
28.3689

■ 18.6928, 23.4371,
28.9138

■ 14.4443, 21.2550,
28.3482

■ 20.2122, 24.2191,
29.0433

■ 22.0091, 25.1441,
29.1859

■ 24.0963, 26.2188,
29.3421

■ 26.4860, 27.4495,
29.5126

■ 29.1896, 28.8419,
29.6979

■ 32.2180, 30.4018,
29.8984

Harmonies

Analogous

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



15.6283, 21.8734, 19.8833



15.6530, 21.8734, 28.5963



16.9611, 21.8734, 37.8788

Triad

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



15.6530, 21.8734, 28.5963



25.2486, 21.8734, 37.5608



22.2810, 21.8734, 11.0064

Complementary

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



15.6530, 21.8734, 28.5963



12.7061, 7.9979, 3.6711

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.



25.1558, 21.8734, 13.7525



15.6530, 21.8734, 28.5963



26.9790, 21.8734, 28.2367

Square

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



15.6530, 21.8734, 28.5963



22.3981, 21.8734, 43.8523



26.9434, 21.8734, 19.6013



19.2608, 21.8734, 11.0576

Rectangle

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



15.6530, 21.8734, 28.5963



18.4651, 21.8734, 42.5361



26.9434, 21.8734, 19.6013



23.3023, 21.8734, 11.5968

Sweetspot

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



15.6537, 21.8742, 28.5968



37.6381, 43.7348, 51.3740



11.4334, 20.1947, 5.9853



8.2318, 9.6783, 11.4607



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.



15.6537, 21.8742, 28.5968



26.2593, 37.8827, 50.2123



10.2460, 10.9392, 27.1635



5.5578, 6.1154, 6.9035



12.9689, 19.0834, 25.4540



0.1245, 0.1827, 0.2461

Inverse Universe

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



12.7061, 7.9979, 3.6711



20.6786, 11.5885, 3.0034



15.5763, 13.7710, 4.5270



5.4110, 5.4249, 5.6626



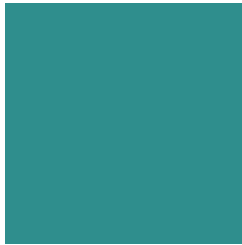
10.0236, 5.1665, 0.5098



0.0962, 0.0495, 0.0068

Previews

White Background



This preview shows how the XYZ color 15.6530, 21.8734, 28.5963 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 15.6530, 21.8734, 28.5963 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 15.6530, 21.8734, 28.5963

Background



This preview shows how black text looks on a background with the XYZ color 15.6530, 21.8734, 28.5963.

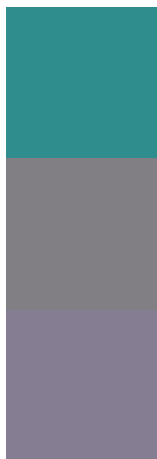


This preview shows how white text looks on a background with the XYZ color 15.6530, 21.8734,

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

15.6530, 21.8734, 28.5963

Protanopia

20.8075, 21.5118, 24.8853

Deuteranopia

22.1173, 21.6981, 29.8105



Tritanopia

16.5138, 21.7800, 33.0394

Trichromacy



Original Color

15.6530, 21.8734, 28.5963

Protanomaly

17.7700, 20.9044, 26.0201

Deuteranomaly

18.6298, 21.0710, 29.4708

Tritanomaly

16.2354, 21.8917, 31.3868

Monochromacy



Original Color

15.6530, 21.8734, 28.5963

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.9026, 17.9692, 21.4218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6530, 21.8734, 28.5963 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(47, 142, 141)` looks like.

```
.text, #text, p{  
    color:rgb(47, 142, 141)  
}
```

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(47, 142, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 142, 141) }
```

Border

The CSS property to change the border of an element to XYZ 15.6530, 21.8734, 28.5963 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(47, 142, 141) }
```


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

```
.border{ border-color:rgb(47, 142, 141) }
```

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

Here you see how a box with a 4 pixel rgb(47, 142, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 142, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 142, 141);  
box-shadow:4px 4px 4px 4px rgb(47, 142,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6530, 21.8734, 28.5963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 142, 141) }
```

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

```
.background{ background-color: rgb(47, 142,  
141) }
```

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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