

Converting Colors

XYZ(11.6347, 15.8251, 22.8640)

Have a look what the booklet for
XYZ(11.6347, 15.8251, 22.8640)
contains.

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Color

**XYZ(11.6551, 15.8896,
22.8748)**

Conversions

Conversions Part 1

Format	Color
Hex	267A80
RGB	38, 122, 128
RGB Percent	15%, 48%, 50%
CMY	0.8510, 0.5216, 0.4980
CMYK	0.70, 0.05, 0.00, 0.50
HSL	184°, 54%, 33%
HSV	184°, 70%, 50%
XYZ	11.6551, 15.8896, 22.8748
YIQ	97.5680, -51.9900, -15.9420

Conversions

Conversions Part 2

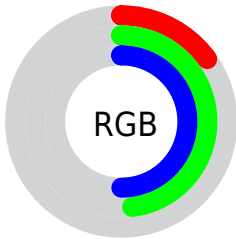
Format	Color
R_{YB}	38, 81, 128
Decimal	2521728
CIE _{Lab}	46.83, -22.41, -10.57
CIE _{LCh}	47, 24.777, 205.248
Yxy	15.8896, 0.2312, 0.3151
Android (android.graphics.Color)	4280711808 (0xFF267A80)
YUV	97.5680, 15.0030, -52.2411
Hunter-Lab	39.8618, -17.5668, -6.1205

Details

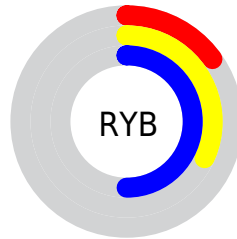
The XYZ color **11.6551, 15.8896, 22.8748** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **10.1530, 6.5309, 2.5596**, and the grayscale version is **11.4761, 12.0737, 13.1483**.

A 20% lighter version of the original color is **28.6002, 36.5375, 49.2611**, and **3.7938, 5.3296, 8.2259** is the 20% darker color. If you saturate the color by 10%, you get **11.1577, 15.4787, 22.8220**, and if you desaturate by 10%, it is **12.3167, 16.3873, 22.9363**.

Distribution



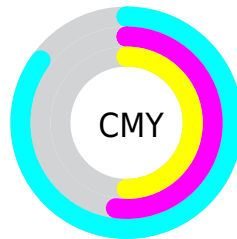
- Red (15%)
- Green (48%)
- Blue (50%)



- Red (15%)
- Yellow (32%)
- Blue (50%)



- Cyan (70%)
- Magenta (5%)
- Yellow (0%)
- Black (50%)



- Cyan (85%)
- Magenta (52%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6551, 15.8896, 22.8748 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 11.6551, 15.8896, 22.8748 by changing the saturation by 10% instead.

■ 11.6551, 15.8896,
22.8748

■ 11.6551, 15.8896,
22.8748

■ 195.9253,
228.6894, 280.1823

■ 6.5798, 9.4461,
14.2967

■ 28.4877, 36.4064,
49.1083

■ 3.2447, 5.0333,
8.1862

■ 40.9757, 51.2485,
67.6006

■ 1.2845, 2.2668,
4.1248

■ 56.6654, 69.6589,
90.2349

■ 0.1715, 0.7560,
1.6941

■ 75.9220, 92.0220,
117.4295

■ 0.0000, 0.0000,
0.3567

■ 99.1109, 118.7222,
149.6030

■ 0.0000, 0.0000,
0.0000

■ 126.5976,

150.1439, 187.1739

158.7472,
186.6715, 230.5609

■ 11.6551, 15.8896,
22.8748

■ 11.6551, 15.8896,
22.8748

■ 11.1577, 15.4787,
22.8220

■ 12.3167, 16.3873,
22.9363

■ 10.8057, 15.1437,
22.7759

■ 13.1562, 16.9776,
23.0060

■ 10.5491, 14.8640,
22.7354

■ 14.1873, 17.6681,
23.0849

■ 15.4221, 18.4650,
23.1737

■ 16.8716, 19.3740,
23.2727

■ 18.5460, 20.4003,
23.3825

■ 20.4550, 21.5489,
23.5036

■ 22.6076, 22.8244,
23.6364

■ 25.0123, 24.2314,
23.7812

Harmonies

Analogous

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



11.3369, 15.8896, 16.3362



11.6551, 15.8896, 22.8748



12.8608, 15.8896, 29.0028

Triad

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



11.6551, 15.8896, 22.8748



18.7708, 15.8896, 24.9887



15.4486, 15.8896, 7.9622

Complementary

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



11.6551, 15.8896, 22.8748



10.1530, 6.5309, 2.5596

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.



17.5908, 15.8896, 9.2653



11.6551, 15.8896, 22.8748



19.6216, 15.8896, 18.3032

Square

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



11.6551, 15.8896, 22.8748



16.9406, 15.8896, 30.4129



19.1706, 15.8896, 12.7154



13.4026, 15.8896, 8.6318

Rectangle

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



11.6551, 15.8896, 22.8748



14.0715, 15.8896, 31.5076



19.1706, 15.8896, 12.7154



16.1829, 15.8896, 8.1729

Sweetspot

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



11.6556, 15.8902, 22.8752



29.3848, 33.9120, 40.9532



8.9458, 16.0215, 4.8591



6.7372, 7.8509, 9.5786



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



11.6556, 15.8902, 22.8752



19.2667, 26.9052, 40.1340



7.4561, 7.4912, 21.4754



4.4227, 4.8394, 5.5143



10.4604, 14.7392, 22.5436



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.1084, 7.3810, 19.1467



22.0951, 11.2583, 32.6696



12.7012, 11.6273, 3.4090



4.4862, 4.4076, 5.3647



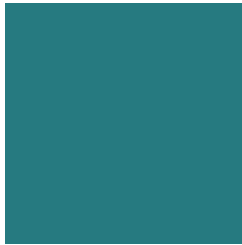
12.1569, 5.8824, 17.9477



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.6551, 15.8896, 22.8748 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 11.6551, 15.8896, 22.8748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

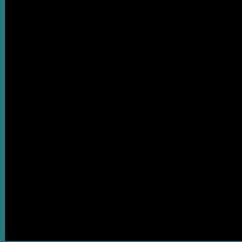
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.6551, 15.8896, 22.8748

Background



This preview shows how black text looks on a background with the XYZ color 11.6551, 15.8896, 22.8748.



This preview shows how white text looks on a background with the XYZ color 11.6551, 15.8896,

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

11.6551, 15.8896, 22.8748

Protanopia

15.3965, 15.8229, 20.0119

Deuteranopia

16.0148, 15.7433, 23.6674



Tritanopia

11.8092, 15.7646, 23.8932

Trichromacy



Original Color

11.6551, 15.8896, 22.8748

Protanomaly

13.2486, 15.3495, 21.0034

Deuteranomaly

13.5905, 15.3068, 23.3573

Tritanomaly

11.7033, 15.7178, 23.5361

Monochromacy



Original Color

11.6551, 15.8896, 22.8748

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.9985, 13.1560, 16.4277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6551, 15.8896, 22.8748 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(38, 122, 128)` looks like.

```
.text, #text, p{  
    color:rgb(38, 122, 128)  
}
```

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(38, 122, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 122, 128) }
```

Border

The CSS property to change the border of an element to XYZ 11.6551, 15.8896, 22.8748 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(38, 122, 128) }
```


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

```
.border{ border-color:rgb(38, 122, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 122, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 122, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 122, 128);  
box-shadow:4px 4px 4px 4px rgb(38, 122,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6551, 15.8896, 22.8748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 122, 128) }
```

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

```
.background{ background-color: rgb(38, 122,  
128) }
```

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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