

Converting Colors

XYZ(11.7566, 17.7649, 18.4321)

Have a look what the booklet for
XYZ(11.7566, 17.7649, 18.4321)
contains.

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Color

**XYZ(11.7566, 17.7649,
18.4321)**

Conversions

Conversions Part 1

Format	Color
Hex	228371
RGB	34, 131, 113
RGB Percent	13%, 51%, 44%
CMY	0.8666, 0.4863, 0.5569
CMYK	0.74, 0.00, 0.14, 0.49
HSL	169°, 59%, 32%
HSV	169°, 74%, 51%
XYZ	11.7566, 17.7649, 18.4321
YIQ	99.9450, -52.0340, -26.1620

Conversions

Conversions Part 2

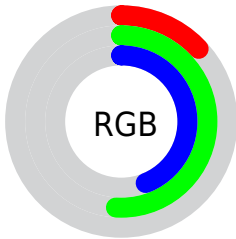
Format	Color
R_{YB}	34, 87, 131
Decimal	2261873
CIE _{Lab}	49.21, -31.95, 1.79
CIE _{LCh}	49, 32.001, 176.788
Yxy	17.7649, 0.2452, 0.3705
Android (android.graphics.Color)	4280451953 (0xFF228371)
YUV	99.9450, 6.4361, -57.8338
Hunter-Lab	42.1484, -23.9702, 3.5755

Details

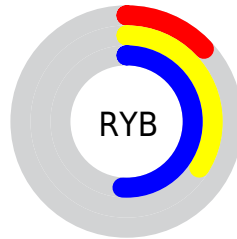
The XYZ color **11.7566, 17.7649, 18.4321** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.5525, 6.2178, 3.8934**, and the grayscale version is **12.0932, 12.7230, 13.8554**.

A 20% lighter version of the original color is **28.7566, 39.7942, 41.7627**, and **3.8966, 6.2665, 6.0052** is the 20% darker color. If you saturate the color by 10%, you get **11.2694, 17.5298, 17.7047**, and if you desaturate by 10%, it is **12.4131, 18.0878, 19.1874**.

Distribution



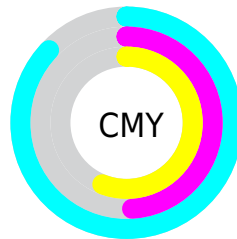
- Red (13%)
- Green (51%)
- Blue (44%)



- Red (13%)
- Yellow (34%)
- Blue (51%)



- Cyan (74%)
- Magenta (0%)
- Yellow (14%)
- Black (49%)



- Cyan (87%)
- Magenta (49%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7566, 17.7649, 18.4321 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 11.7566, 17.7649, 18.4321 by changing the saturation by 10% instead.

■ 11.7566, 17.7649,
18.4321

■ 11.7566, 17.7649,
18.4321

196.5902,
239.5425, 255.6128

■ 6.6492, 10.7813,
11.0880

■ 28.6717, 39.6363,
41.5961

■ 3.2881, 5.9200,
6.0111

■ 41.2102, 55.2929,
58.2531

■ 1.3079, 2.7965,
2.7830

■ 56.9563, 74.6094,
78.8514

■ 0.1891, 1.0264,
0.9849

■ 76.2755, 97.9700,
103.8097

■ 0.0000, 0.0000,
0.0000

■ 99.5332, 125.7593,
133.5464

■ 127.0946,

158.3615, 168.4802

159.3251,
196.1611, 209.0295

■ 11.7566, 17.7649,
18.4321

■ 11.7566, 17.7649,
18.4321

■ 11.2694, 17.5298,
17.7047

■ 12.4131, 18.0878,
19.1874

■ 10.9284, 17.3692,
17.0027

■ 13.2544, 18.5050,
19.9702

■ 10.7542, 17.2882,
16.5948

■ 14.2955, 19.0248,
20.7819

■ 15.5498, 19.6541,
21.6230

■ 17.0293, 20.3990,
22.4945

■ 18.7452, 21.2655,
23.3969

■ 20.7080, 22.2587,
24.3308

■ 22.9274, 23.3837,
25.2968

■ 25.4128, 24.6455,
26.2956

Harmonies

Analogous

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



12.5049, 17.7649, 11.6331



11.7566, 17.7649, 18.4321



12.2422, 17.7649, 27.7826

Triad

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



11.7566, 17.7649, 18.4321



19.6199, 17.7649, 38.1509



20.2451, 17.7649, 8.5537

Complementary

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



11.7566, 17.7649, 18.4321



10.5525, 6.2178, 3.8934

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.



22.5743, 17.7649, 12.8131



11.7566, 17.7649, 18.4321



22.1843, 17.7649, 29.8737

Square

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



11.7566, 17.7649, 18.4321



16.5639, 17.7649, 40.9643



23.3225, 17.7649, 20.2833



17.2102, 17.7649, 7.0946

Rectangle

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



11.7566, 17.7649, 18.4321



13.2360, 17.7649, 34.0507



23.3225, 17.7649, 20.2833



21.1497, 17.7649, 9.6296

Sweetspot

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



11.7571, 17.7656, 18.4325



30.9385, 36.7530, 40.5260



9.8949, 17.1166, 4.2960



7.0513, 8.4803, 9.3513



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.



11.7571, 17.7656, 18.4325



19.7291, 31.1776, 30.8183



9.4985, 11.4626, 23.1853



4.7655, 5.2645, 5.7766



10.5864, 17.0174, 16.3392



0.0391, 0.0599, 0.0691

Inverse Universe

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



10.5525, 6.2178, 3.8934



17.5047, 9.3052, 3.5641



11.4324, 8.5075, 2.5533



4.7053, 4.7018, 5.0604



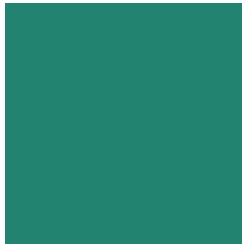
9.3799, 4.8163, 1.3068



0.0345, 0.0175, 0.0151

Previews

White Background



This preview shows how the XYZ color 11.7566, 17.7649, 18.4321 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 11.7566, 17.7649, 18.4321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

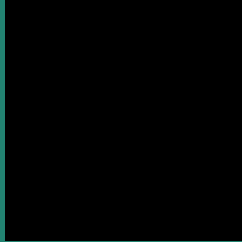
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.7566, 17.7649, 18.4321

Background



This preview shows how black text looks on a background with the XYZ color 11.7566, 17.7649, 18.4321.

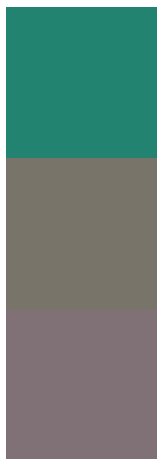


This preview shows how white text looks on a background with the XYZ color 11.7566, 17.7649,

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

11.7566, 17.7649, 18.4321

Protanopia

16.6804, 17.5757, 15.8779

Deuteranopia

17.8684, 17.6066, 19.2863



Tritanopia

13.3957, 17.6421, 26.7440

Trichromacy



Original Color

11.7566, 17.7649, 18.4321

Protanomaly

13.6640, 16.8813, 16.7256

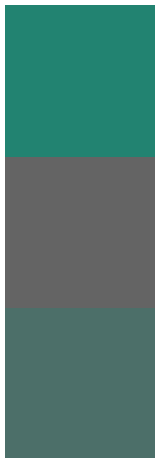
Deuteranomaly

14.3831, 17.0211, 19.0503

Tritanomaly

12.6779, 17.5369, 23.4856

Monochromacy



Original Color

11.7566, 17.7649, 18.4321

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.2147, 13.9253, 15.4614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7566, 17.7649, 18.4321 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(34, 131, 113)` looks like.

```
.text, #text, p{  
    color:rgb(34, 131, 113)  
}
```

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(34, 131, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 131, 113) }
```

Border

The CSS property to change the border of an element to XYZ 11.7566, 17.7649, 18.4321 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(34, 131, 113) }
```


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

```
.border{ border-color:rgb(34, 131, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 131, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 131, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 131, 113);  
box-shadow:4px 4px 4px 4px rgb(34, 131,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7566, 17.7649, 18.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 131, 113) }
```

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

```
.background{ background-color: rgb(34, 131,  
113) }
```

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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