

Converting Colors

XYZ(11.7988, 17.5409, 20.5332)

Have a look what the booklet for
XYZ(11.7988, 17.5409, 20.5332)
contains.

XYZ(11.7988, 17.5409, 20.5332)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.7988, 17.5409,
20.5332)**

Conversions

Conversions Part 1

Format	Color
Hex	1A8278
RGB	26, 130, 120
RGB Percent	10%, 51%, 47%
CMY	0.8980, 0.4902, 0.5294
CMYK	0.80, 0.00, 0.08, 0.49
HSL	174°, 67%, 31%
HSV	174°, 80%, 51%
XYZ	11.7988, 17.5409, 20.5332
YIQ	97.7640, -58.7740, -25.1580

Conversions

Conversions Part 2

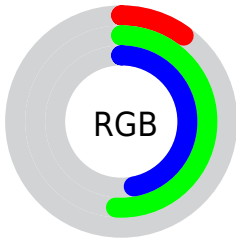
Format	Color
R_{YB}	26, 81, 130
Decimal	1737336
CIE _{Lab}	48.93, -30.47, -2.73
CIE _{LCh}	49, 30.589, 185.129
Yxy	17.5409, 0.2366, 0.3517
Android (android.graphics.Color)	4279927416 (0xFF1A8278)
YUV	97.7640, 10.9623, -62.9370
Hunter-Lab	41.8819, -23.0069, 0.2495

Details

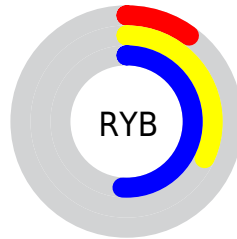
The XYZ color **11.7988, 17.5409, 20.5332** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.8943, 5.6125, 2.2316**, and the grayscale version is **11.5357, 12.1365, 13.2166**.

A 20% lighter version of the original color is **28.8033, 39.4332, 45.1230**, and **4.0384, 6.2052, 7.1158** is the 20% darker color. If you saturate the color by 10%, you get **11.4638, 17.3773, 20.1244**, and if you desaturate by 10%, it is **12.2865, 17.7839, 20.9551**.

Distribution



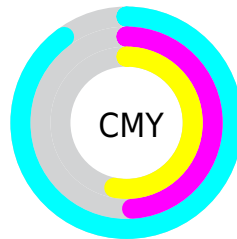
- Red (10%)
- Green (51%)
- Blue (47%)



- Red (10%)
- Yellow (32%)
- Blue (51%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (49%)



- Cyan (90%)
- Magenta (49%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7988, 17.5409, 20.5332 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 11.7988, 17.5409, 20.5332 by changing the saturation by 10% instead.

■ 11.7988, 17.5409,
20.5332

■ 11.7988, 17.5409,
20.5332

■ 196.8659,
238.2704, 267.4863

■ 6.6780, 10.6209,
12.5953

■ 28.7482, 39.2535,
45.1800

■ 3.3061, 5.8125,
7.0230

■ 41.3075, 54.8148,
62.7260

■ 1.3176, 2.7314,
3.3978

■ 57.0771, 74.0254,
84.3118

■ 0.1964, 0.9932,
1.3012

■ 76.4222, 97.2695,
110.3559

■ 0.0000, 0.0000,
0.0628

■ 99.7084, 124.9318,
141.2768

■ 0.0000, 0.0000,
0.0000

■ 127.3008,

157.3964, 177.4932

159.5649,
195.0478, 219.4235

■ 11.7988, 17.5409,
20.5332

■ 11.7988, 17.5409,
20.5332

■ 11.4638, 17.3773,
20.1244

■ 12.2865, 17.7839,
20.9551

■ 11.2234, 17.2620,
19.7247

■ 12.9435, 18.1136,
21.3898

■ 11.2233, 17.2619,
19.7245

■ 13.7858, 18.5388,
21.8383

■ 14.8273, 19.0665,
22.3014

■ 16.0803, 19.7032,
22.7796

■ 17.5564, 20.4548,
23.2736

■ 19.2662, 21.3267,
23.7837

■ 21.2197, 22.3241,
24.3106

■ 23.4261, 23.4518,
24.8546

Harmonies

Analogous

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



12.1882, 17.5409, 13.2426



11.7988, 17.5409, 20.5332



12.5891, 17.5409, 29.5980

Triad

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



11.7988, 17.5409, 20.5332



20.0195, 17.5409, 34.9769



19.0784, 17.5409, 8.1257

Complementary

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



11.7988, 17.5409, 20.5332



9.8943, 5.6125, 2.2316

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.



21.5543, 17.5409, 11.4328



11.7988, 17.5409, 20.5332



22.1395, 17.5409, 26.4687

Square

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



11.7988, 17.5409, 20.5332



17.1656, 17.5409, 39.3197



22.7307, 17.5409, 17.7333



16.1881, 17.5409, 7.3649

Rectangle

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



11.7988, 17.5409, 20.5332



13.7381, 17.5409, 35.0377



22.7307, 17.5409, 17.7333



19.9967, 17.5409, 8.9190

Sweetspot

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



11.7993, 17.5416, 20.5336



29.6848, 35.3936, 40.5862



8.9113, 16.4228, 3.6780



6.5457, 7.9229, 9.1277



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.



11.7993, 17.5416, 20.5336



19.8725, 30.4517, 34.8646



7.9786, 8.8775, 22.4128



4.4292, 4.8800, 5.4312



10.7624, 16.5515, 18.9193



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.8943, 5.6125, 2.2316



16.4329, 8.5629, 1.5595



11.4361, 8.9073, 2.0943



4.3433, 4.3505, 4.6122



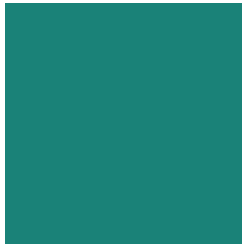
8.8950, 4.5777, 0.7710



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.7988, 17.5409, 20.5332 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 11.7988, 17.5409, 20.5332 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 11.7988, 17.5409, 20.5332

Background



This preview shows how black text looks on a background with the XYZ color 11.7988, 17.5409, 20.5332.

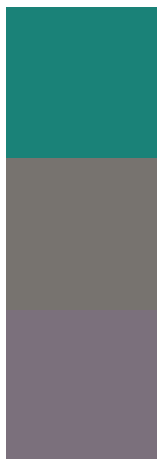


This preview shows how white text looks on a background with the XYZ color 11.7988, 17.5409,

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

11.7988, 17.5409, 20.5332

Protanopia

16.6077, 17.3311, 17.5088

Deuteranopia

17.6006, 17.2545, 21.4716



Tritanopia

13.0135, 17.4451, 26.7261

Trichromacy



Original Color

11.7988, 17.5409, 20.5332

Protanomaly

13.5000, 16.5791, 18.4082

Deuteranomaly

14.1965, 16.6984, 21.2138

Tritanomaly

12.4756, 17.4171, 24.1770

Monochromacy



Original Color

11.7988, 17.5409, 20.5332

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.8499, 13.5702, 15.6831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7988, 17.5409, 20.5332 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(26, 130, 120)` looks like.

```
.text, #text, p{  
    color:rgb(26, 130, 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(26, 130, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 130, 120) }
```

Border

The CSS property to change the border of an element to XYZ 11.7988, 17.5409, 20.5332 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(26, 130, 120) }
```


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

```
.border{ border-color:rgb(26, 130, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 130, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 130, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 130, 120);  
box-shadow:4px 4px 4px 4px rgb(26, 130,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7988, 17.5409, 20.5332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 130, 120) }
```

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

```
.background{ background-color: rgb(26, 130,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor