

Converting Colors

XYZ(12.7460, 20.6435, 17.6344)

Have a look what the booklet for
XYZ(12.7460, 20.6435, 17.6344)
contains.

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Color

**XYZ(12.7107, 20.5993,
17.4935)**

Conversions

Conversions Part 1

Format	Color
Hex	168E6C
RGB	22, 142, 108
RGB Percent	9%, 56%, 42%
CMY	0.9137, 0.4431, 0.5765
CMYK	0.85, 0.00, 0.24, 0.44
HSL	163°, 73%, 32%
HSV	163°, 85%, 56%
XYZ	12.7107, 20.5993, 17.4935
YIQ	102.2440, -60.6060, -36.0140

Conversions

Conversions Part 2

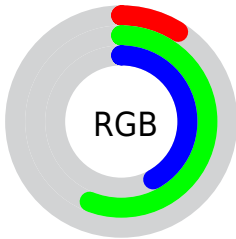
Format	Color
RYB	22, 92, 142
Decimal	1478252
CIELab	52.51, -39.60, 9.39
CIElCh	53, 40.702, 166.660
Yxy	20.5993, 0.2502, 0.4055
Android (android.graphics.Color)	4279668332 (0xFF168E6C)
YUV	102.2440, 2.8377, -70.3740
Hunter-Lab	45.3865, -29.4365, 8.9181

Details

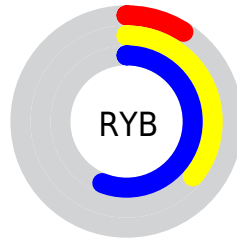
The XYZ color **12.7107, 20.5993, 17.4935** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.1569, 6.6108, 4.3779**, and the grayscale version is **12.6983, 13.3596, 14.5486**.

A 20% lighter version of the original color is **30.4407, 44.6094, 39.8070**, and **4.5834, 7.8191, 5.6825** is the 20% darker color. If you saturate the color by 10%, you get **12.2686, 20.3961, 16.3809**, and if you desaturate by 10%, it is **13.3342, 20.8959, 18.6671**.

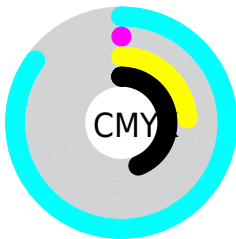
Distribution



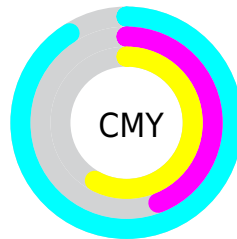
- Red (9%)
- Green (56%)
- Blue (42%)



- Red (9%)
- Yellow (36%)
- Blue (56%)



- Cyan (85%)
- Magenta (0%)
- Yellow (24%)
- Black (44%)



- Cyan (91%)
- Magenta (44%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7107, 20.5993, 17.4935 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 12.7107, 20.5993, 17.4935 by changing the saturation by 10% instead.

■ 12.7107, 20.5993,
17.4935

■ 12.7107, 20.5993,
17.4935

202.7305,
255.1413, 250.1400

■ 7.3053, 12.8314,
10.4213

■ 30.3888, 44.4197,
39.9746

■ 3.7018, 7.3126,
5.5699

■ 43.3922, 61.2410,
56.2205

■ 1.5348, 3.6583,
2.5209

■ 59.6589, 81.8489,
76.3614

■ 0.3493, 1.4843,
0.8512

■ 79.5544, 106.6278,
100.8159

■ 0.0000, 0.2777,
0.0000

■ 103.4439,
135.9621, 130.0025

■ 0.0000, 0.0000,
0.0000

■ 131.6929,

170.2362, 164.3396

164.6666,
209.8344, 204.2459

■ 12.7107, 20.5993,
17.4935

■ 12.7107, 20.5993,
17.4935

■ 12.2686, 20.3961,
16.3809

■ 13.3342, 20.8959,
18.6671

■ 12.0600, 20.3013,
15.7923

■ 14.1642, 21.2973,
19.9021

■ 15.2221, 21.8151,
21.2008

■ 16.5262, 22.4585,
22.5646

■ 18.0927, 23.2360,
23.9949

■ 19.9368, 24.1554,
25.4931

■ 22.0720, 25.2237,
27.0603

■ 24.5113, 26.4475,
28.6979

■ 27.2667, 27.8330,
30.4070

Harmonies

Analogous

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



14.2613, 20.5993, 9.9826



12.7107, 20.5993, 17.4935



12.8020, 20.5993, 29.7549

Triad

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



12.7107, 20.5993, 17.4935



21.9930, 20.5993, 52.7823



25.6777, 20.5993, 9.4389

Complementary

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



12.7107, 20.5993, 17.4935



12.1569, 6.6108, 4.3779

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.



28.4045, 20.5993, 16.4168



12.7107, 20.5993, 17.4935



26.0772, 20.5993, 42.4027

Square

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



12.7107, 20.5993, 17.4935



17.7698, 20.5993, 53.3999



28.5604, 20.5993, 28.2154



21.5070, 20.5993, 6.5873

Rectangle

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



12.7107, 20.5993, 17.4935



13.7761, 20.5993, 39.3167



28.5604, 20.5993, 28.2154



26.8182, 20.5993, 11.2382

Sweetspot

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



12.7113, 20.6001, 17.4940



34.8012, 42.4176, 44.6786



11.5636, 20.3044, 4.0692



7.5412, 9.3584, 9.7956



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.



12.7113, 20.6001, 17.4940



21.1934, 35.7694, 27.4650



11.6926, 15.0815, 27.8869



5.4960, 6.0906, 6.5777



10.8358, 18.2302, 14.2213



0.1131, 0.1781, 0.1858

Inverse Universe

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



12.1569, 6.6108, 4.3779



20.2919, 10.3892, 4.1875



12.2779, 7.7635, 1.6109



5.4678, 5.4476, 5.9615



10.3705, 5.3052, 2.3363



0.1076, 0.0541, 0.0670

Previews

White Background



This preview shows how the XYZ color 12.7107, 20.5993, 17.4935 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 12.7107, 20.5993, 17.4935 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 12.7107, 20.5993, 17.4935

Background



This preview shows how black text looks on a background with the XYZ color 12.7107, 20.5993, 17.4935.



This preview shows how white text looks on a background with the XYZ color 12.7107, 20.5993,

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

12.7107, 20.5993, 17.4935

Protanopia

18.9755, 20.2217, 14.7074

Deuteranopia

20.6816, 20.2879, 18.4487



Tritanopia

15.5576, 20.6824, 31.1891

Trichromacy



Original Color

12.7107, 20.5993, 17.4935

Protanomaly

14.9282, 19.4672, 15.5411

Deuteranomaly

15.6254, 19.1827, 17.9180

Tritanomaly

14.3030, 20.5900, 25.4107

Monochromacy



Original Color

12.7107, 20.5993, 17.4935

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.6076, 15.1385, 15.4069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7107, 20.5993, 17.4935 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(22, 142, 108)` looks like.

```
.text, #text, p{  
    color:rgb(22, 142, 108)  
}
```

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(22, 142, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 142, 108) }
```

Border

The CSS property to change the border of an element to XYZ 12.7107, 20.5993, 17.4935 is called "border". The border property can be set on classes, ids or directly on the HTML element.

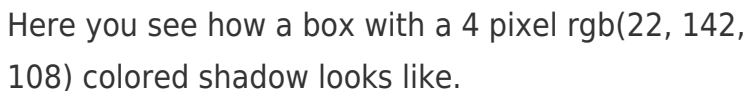
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(22, 142, 108) }
```


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

```
.border{ border-color:rgb(22, 142, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(22, 142, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(22, 142, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(22, 142, 108); box-shadow:4px 4px 4px 4px rgb(22, 142, 108) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7107, 20.5993, 17.4935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 142, 108) }
```

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

```
.background{ background-color: rgb(22, 142,  
108) }
```

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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