

Converting Colors

XYZ(13.5240, 21.7064, 20.5328)

Have a look what the booklet for
XYZ(13.5240, 21.7064, 20.5328)
contains.

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Color

**XYZ(13.4830, 21.6040,
20.5989)**

Conversions

Conversions Part 1

Format	Color
Hex	079176
RGB	7, 145, 118
RGB Percent	3%, 57%, 46%
CMY	0.9725, 0.4314, 0.5373
CMYK	0.95, 0.00, 0.19, 0.43
HSL	168°, 91%, 30%
HSV	168°, 95%, 57%
XYZ	13.4830, 21.6040, 20.5989
YIQ	100.6600, -73.5810, -37.6530

Conversions

Conversions Part 2

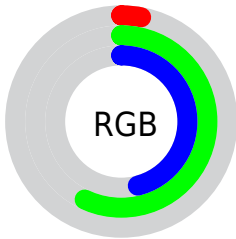
Format	Color
RYB	7, 83, 145
Decimal	495990
CIELab	53.60, -39.25, 5.19
CIElCh	54, 39.594, 172.462
Yxy	21.6040, 0.2421, 0.3880
Android (android.graphics.Color)	4278686070 (0xFF079176)
YUV	100.6600, 8.5486, -82.1398
Hunter-Lab	46.4801, -29.5607, 6.2601

Details

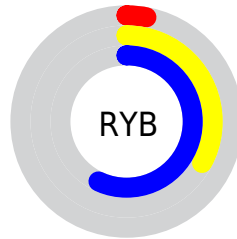
The XYZ color **13.4830, 21.6040, 20.5989** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.0424, 6.2877, 2.0931**, and the grayscale version is **12.2753, 12.9145, 14.0639**.

A 20% lighter version of the original color is **31.8405, 46.2371, 45.2767**, and **5.0198, 8.2709, 7.1262** is the 20% darker color. If you saturate the color by 10%, you get **13.3149, 21.5272, 20.1691**, and if you desaturate by 10%, it is **13.8872, 21.7931, 21.5118**.

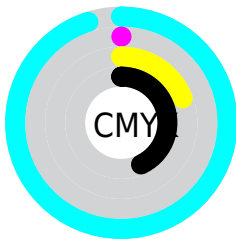
Distribution



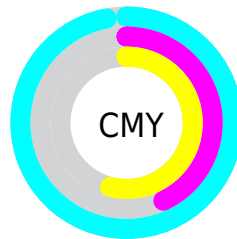
- Red (3%)
- Green (57%)
- Blue (46%)



- Red (3%)
- Yellow (33%)
- Blue (57%)



- Cyan (95%)
- Magenta (0%)
- Yellow (19%)
- Black (43%)



- Cyan (97%)
- Magenta (43%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4830, 21.6040, 20.5989 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 13.4830, 21.6040, 20.5989 by changing the saturation by 10% instead.

■ 13.4830, 21.6040,
20.5989

■ 13.4830, 21.6040,
20.5989

207.5660,
260.4712, 267.8498

■ 7.8413, 13.5662,
12.6427

■ 31.7628, 46.0906,
45.2911

■ 4.0445, 7.8196,
7.0552

■ 45.1316, 63.3082,
62.8643

■ 1.7273, 3.9797,
3.4177

■ 61.8068, 84.3546,
84.4802

■ 0.4733, 1.6622,
1.3117

■ 82.1537, 109.6141,
110.5574

■ 0.0000, 0.3990,
0.0713

■ 106.5377,
139.4711, 141.5144

■ 0.0000, 0.0000,
0.0000

■ 135.3242,

174.3100, 177.7698

168.8785,
214.5153, 219.7420

■ 13.4830, 21.6040,
20.5989

■ 13.4830, 21.6040,
20.5989

■ 13.3149, 21.5272,
20.1691

■ 13.8872, 21.7931,
21.5118

■ 14.4713, 22.0739,
22.4594

■ 15.2655, 22.4623,
23.4438

■ 16.2922, 22.9700,
24.4661

■ 17.5705, 23.6069,
25.5277

■ 19.1178, 24.3818,
26.6294

■ 20.9499, 25.3028,
27.7722

■ 23.0811, 26.3775,
28.9570

■ 25.5250, 27.6127,
30.1847

Harmonies

Analogous

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



14.7386, 21.6040, 11.9977



13.4830, 21.6040, 20.5989



13.9001, 21.6040, 33.5870

Triad

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



13.4830, 21.6040, 20.5989



23.7992, 21.6040, 52.2665



25.8963, 21.6040, 9.4699

Complementary

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



13.4830, 21.6040, 20.5989



12.0424, 6.2877, 2.0931

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.



29.0004, 21.6040, 15.7018



13.4830, 21.6040, 20.5989



27.6784, 21.6040, 40.7519

Square

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



13.4830, 21.6040, 20.5989



19.4858, 21.6040, 54.9770



29.6937, 21.6040, 26.7117



21.6191, 21.6040, 7.1679

Rectangle

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



13.4830, 21.6040, 20.5989



15.1014, 21.6040, 43.0020



29.6937, 21.6040, 26.7117



27.1343, 21.6040, 11.0460

Sweetspot

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



13.4836, 21.6048, 20.5994



35.9961, 44.5467, 48.8166



10.8441, 20.6174, 3.6093



7.7354, 9.7731, 10.6870



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.4836, 21.6048, 20.5994



23.7824, 38.5260, 35.7929



10.1093, 11.9108, 28.5553



5.5156, 6.0985, 6.6813



11.4294, 18.4676, 17.3471



0.1167, 0.1796, 0.2052

Inverse Universe

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



12.0424, 6.2877, 2.0931



21.2446, 10.9136, 2.7307



12.7896, 8.1827, 1.1066



5.4493, 5.4403, 5.8643



10.2073, 5.2399, 1.4770



0.1040, 0.0526, 0.0477

Previews

White Background



This preview shows how the XYZ color 13.4830, 21.6040, 20.5989 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 13.4830, 21.6040, 20.5989 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 13.4830, 21.6040, 20.5989

Background



This preview shows how black text looks on a background with the XYZ color 13.4830, 21.6040, 20.5989.



This preview shows how white text looks on a background with the XYZ color 13.4830, 21.6040,

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

13.4830, 21.6040, 20.5989

Protanopia

20.1812, 21.3512, 17.5255

Deuteranopia

21.6426, 21.2587, 21.7015



Tritanopia

16.0418, 21.5368, 33.0173

Trichromacy



Original Color

13.4830, 21.6040, 20.5989

Protanomaly

15.4742, 20.2948, 18.4309

Deuteranomaly

15.9811, 19.8884, 21.0857

Tritanomaly

14.9420, 21.5155, 28.1763

Monochromacy



Original Color

13.4830, 21.6040, 20.5989

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.3299, 14.9774, 16.2037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4830, 21.6040, 20.5989 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(7, 145, 118)` looks like.

```
.text, #text, p{  
    color:rgb(7, 145, 118)  
}
```

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(7, 145, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 145, 118) }
```

Border

The CSS property to change the border of an element to XYZ 13.4830, 21.6040, 20.5989 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(7, 145, 118) }
```


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

```
.border{ border-color:rgb(7, 145, 118) }
```

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

Here you see how a box with a 4 pixel rgb(7, 145, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 145, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 145, 118);  
box-shadow:4px 4px 4px 4px rgb(7, 145,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4830, 21.6040, 20.5989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 145, 118) }
```

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

```
.background{ background-color: rgb(7, 145,  
118) }
```

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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