

Converting Colors

XYZ(17.5842, 30.1095, 18.2495)

Have a look what the booklet for
XYZ(17.5842, 30.1095, 18.2495)
contains.

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Color

**XYZ(17.5842, 30.1095,
18.2495)**

Conversions

Conversions Part 1

Format	Color
Hex	22AA69
RGB	34, 170, 105
RGB Percent	13%, 67%, 41%
CMY	0.8667, 0.3333, 0.5882
CMYK	0.80, 0.00, 0.38, 0.33
HSL	151°, 67%, 40%
HSV	151°, 80%, 67%
XYZ	17.5842, 30.1095, 18.2495
YIQ	121.9260, -60.1910, -49.0470

Conversions

Conversions Part 2

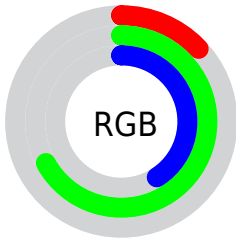
Format	Color
RYB	34, 123, 170
Decimal	2271849
CIELab	61.75, -50.22, 23.78
CIElCh	62, 55.565, 154.663
Yxy	30.1095, 0.2667, 0.4566
Android (android.graphics.Color)	4280461929 (0xFF22AA69)
YUV	121.9260, -8.3445, -77.1111
Hunter-Lab	54.8721, -38.8245, 18.6917

Details

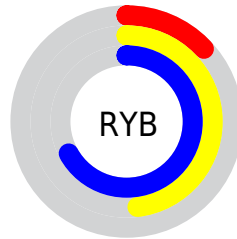
The XYZ color **17.5842, 30.1095, 18.2495** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **19.4027, 10.5915, 12.8271**, and the grayscale version is **18.5157, 19.4799, 21.2136**.

A 20% lighter version of the original color is **38.7616, 59.6518, 41.3693**, and **6.9839, 12.7862, 5.9708** is the 20% darker color. If you saturate the color by 10%, you get **16.7584, 29.7306, 16.1344**, and if you desaturate by 10%, it is **18.7285, 30.6496, 20.5892**.

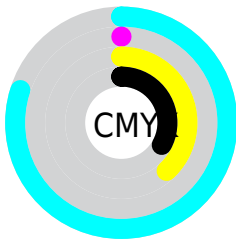
Distribution



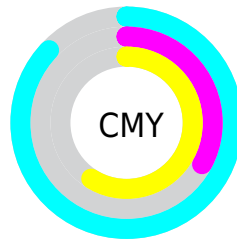
- Red (13%)
- Green (67%)
- Blue (41%)



- Red (13%)
- Yellow (48%)
- Blue (67%)



- Cyan (80%)
- Magenta (0%)
- Yellow (38%)
- Black (33%)



- Cyan (87%)
- Magenta (33%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5842, 30.1095, 18.2495 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 17.5842, 30.1095, 18.2495 by changing the saturation by 10% instead.

■ 17.5842, 30.1095,
18.2495

■ 17.5842, 30.1095,
18.2495

231.6080,
302.4145, 254.5568

■ 10.7498, 19.9217,
10.9580

■ 38.8632, 59.8353,
41.2817

■ 5.9649, 12.3382,
5.9248

■ 54.0384, 80.1421,
57.8594

■ 2.8642, 6.9744,
2.7313

■ 72.7247, 104.5907,
78.3696

■ 1.0824, 3.4461,
0.9591

■ 95.2873, 133.5655,
103.2308

■ 0.0103, 1.3688,
0.0000

■ 122.0915,
167.4509, 132.8616

■ 0.0000, 0.1936,
0.0000

■ 153.5028,

■ 0.0000, 0.0000,

206.6313, 167.6805

0.0000

189.8865,
251.4910, 208.1061

■ 17.5842, 30.1095,
18.2495

■ 17.5842, 30.1095,
18.2495

■ 16.7584, 29.7306,
16.1344

■ 18.7285, 30.6496,
20.5892

■ 16.1681, 29.4677,
14.2322

■ 20.2261, 31.3664,
23.1587

■ 16.1680, 29.4677,
14.2320

■ 22.1095, 32.2771,
25.9655

■ 24.4068, 33.3962,
29.0162

■ 27.1431, 34.7366,
32.3170

■ 30.3416, 36.3101,
35.8737

■ 34.0239, 38.1277,
39.6921

■ 38.2101, 40.1997,
43.7777

■ 42.9190, 42.5357,
48.1357

Harmonies

Analogous

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



21.2616, 30.1095, 9.3851



17.5842, 30.1095, 18.2495



16.6458, 30.1095, 36.2111

Triad

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



17.5842, 30.1095, 18.2495



29.7910, 30.1095, 92.5158



41.9960, 30.1095, 14.6342

Complementary

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



17.5842, 30.1095, 18.2495



19.4027, 10.5915, 12.8271

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.



45.2798, 30.1095, 29.5805



17.5842, 30.1095, 18.2495



37.5017, 30.1095, 79.0479

Square

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



17.5842, 30.1095, 18.2495



22.9484, 30.1095, 85.1580



43.5081, 30.1095, 53.5083



35.1524, 30.1095, 8.0180

Rectangle

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



17.5842, 30.1095, 18.2495



17.5331, 30.1095, 52.9077



43.5081, 30.1095, 53.5083



43.6018, 30.1095, 18.5454

Sweetspot

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



17.5850, 30.1107, 18.2502



52.3689, 64.5583, 62.1657



19.8905, 31.5604, 6.5570



11.2374, 14.1798, 13.3682



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.5850, 30.1107, 18.2502



29.5862, 53.5776, 26.5700



21.8698, 31.1506, 42.8918



7.5942, 8.4707, 8.8490



11.9213, 21.6873, 10.6181



0.3157, 0.5379, 0.3933

Inverse Universe

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



19.4027, 10.5915, 12.8271



33.0255, 16.8389, 16.4522



17.5061, 9.9400, 2.5095



7.6748, 7.5998, 8.6048



13.3220, 6.7375, 6.5073



0.3501, 0.1743, 0.2952

Previews

White Background



This preview shows how the XYZ color 17.5842, 30.1095, 18.2495 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 17.5842, 30.1095, 18.2495 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 ✓ Pass

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

XYZ 17.5842, 30.1095, 18.2495

Background



This preview shows how black text looks on a background with the XYZ color 17.5842, 30.1095, 18.2495.



This preview shows how white text looks on a background with the XYZ color 17.5842, 30.1095,

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

17.5842, 30.1095, 18.2495

Protanopia

27.3992, 29.6014, 15.3359

Deuteranopia

29.9978, 29.4924, 19.1505



Tritanopia

23.0421, 30.1647, 45.1654

Trichromacy



Original Color

17.5842, 30.1095, 18.2495



Protanomaly

21.2108, 28.3226, 16.1533



Deuteranomaly

22.1569, 27.7716, 18.6606



Tritanomaly

20.5910, 29.9530, 33.5504

Monochromacy



Original Color

17.5842, 30.1095, 18.2495



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.6015, 21.8999, 19.8751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5842, 30.1095, 18.2495 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, 170, 105)` looks like.

```
.text, #text, p{  
    color:rgb(34, 170, 105)  
}
```

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, 170, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 170, 105) }
```

Border

The CSS property to change the border of an element to XYZ 17.5842, 30.1095, 18.2495 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, 170, 105) }
```


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

```
.border{ border-color:rgb(34, 170, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 170, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 170, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 170, 105);  
box-shadow:4px 4px 4px 4px rgb(34, 170,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5842, 30.1095, 18.2495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 170, 105) }
```

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

```
.background{ background-color: rgb(34, 170,  
105) }
```

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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