

Converting Colors

XYZ(13.4601, 29.8021, 25.0286)

Have a look what the booklet for
XYZ(13.4601, 29.8021, 25.0286)
contains.

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Color

**XYZ(19.5529, 32.9766,
25.4132)**

Conversions

Conversions Part 1

Format	Color
Hex	00B17F
RGB	0, 177, 127
RGB Percent	0%, 69%, 50%
CMY	0.9999, 0.3059, 0.5020
CMYK	1.00, 0.00, 0.28, 0.31
HSL	163°, 100%, 35%
HSV	163°, 100%, 69%
XYZ	19.5529, 32.9766, 25.4132
YIQ	118.3770, -89.4420, -53.0740

Conversions

Conversions Part 2

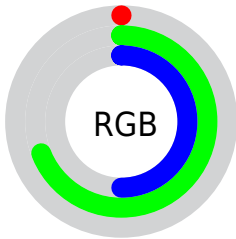
Format	Color
RYB	0, 103, 177
Decimal	45439
CIELab	64.14, -50.28, 15.04
CIELCh	64, 52.478, 163.349
Yxy	32.9766, 0.2509, 0.4231
Android (android.graphics.Color)	4278235519 (0xFF00B17F)
YUV	118.3770, 4.2511, -103.8166
Hunter-Lab	57.4253, -39.7162, 13.9592

Details

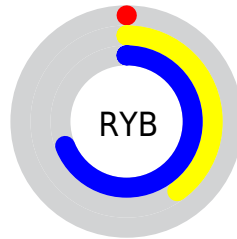
The XYZ color **19.5529, 32.9766, 25.4132** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.7084, 9.5782, 3.8823**, and the grayscale version is **17.3472, 18.2506, 19.8749**.

A 20% lighter version of the original color is **42.2771, 64.5206, 53.4055**, and **8.4581, 14.7160, 9.6024** is the 20% darker color. If you saturate the color by 10%, you get **19.5533, 32.9777, 25.4124**, and if you desaturate by 10%, it is **20.1319, 33.2373, 27.1849**.

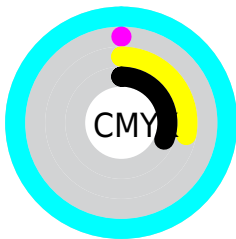
Distribution



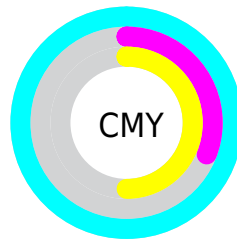
- Red (0%)
- Green (69%)
- Blue (50%)



- Red (0%)
- Yellow (40%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5529, 32.9766, 25.4132 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 19.5529, 32.9766, 25.4132 by changing the saturation by 10% instead.


 19.5529, 32.9766,
25.4132


 19.5529, 32.9766,
25.4132


242.3643,
315.5443, 293.4028


 12.1768, 22.1085,
16.1634


 42.1760, 64.3390,
53.2992


 6.9373, 13.9367,
9.4842


 58.1537, 85.6021,
72.7724


 3.4689, 8.0766,
4.9572


 77.7294, 111.0990,
96.4905

 1.4063, 4.1440,
2.1639

 101.2684,
141.2141, 124.8719

 0.2607, 1.7544,
0.6534

 129.1360,
176.3318, 158.3354

 0.0000, 0.4585,
0.0000

 161.6976,

 0.0000, 0.0000,

216.8364, 197.2993

0.0000

199.3186,
263.1125, 242.1822

■ 19.5529, 32.9766,
25.4132

■ 19.5529, 32.9766,
25.4132

■ 19.5533, 32.9777,
25.4124

■ 20.1319, 33.2373,
27.1849

■ 20.9456, 33.6163,
29.0526

■ 22.0798, 34.1586,
31.0220

■ 23.5746, 34.8848,
33.0963

■ 25.4642, 35.8126,
35.2781

■ 27.7787, 36.9575,
37.5700

■ 30.5451, 38.3332,
39.9742

■ 33.7883, 39.9528,
42.4931

■ 37.5311, 41.8278,
45.1286

Harmonies

Analogous

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



22.5247, 32.9766, 13.6166



19.5529, 32.9766, 25.4132



19.3978, 32.9766, 46.2041

Triad

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



19.5529, 32.9766, 25.4132



34.7585, 32.9766, 92.2310



42.9205, 32.9766, 14.5084

Complementary

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



19.5529, 32.9766, 25.4132



18.7084, 9.5782, 3.8823

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.



47.3974, 32.9766, 27.2643



19.5529, 32.9766, 25.4132



42.2069, 32.9766, 74.6270

Square

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



19.5529, 32.9766, 25.4132



27.4258, 32.9766, 91.0917



47.1174, 32.9766, 48.9499



35.6170, 32.9766, 9.2431

Rectangle

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



19.5529, 32.9766, 25.4132



20.8611, 32.9766, 63.4183



47.1174, 32.9766, 48.9499



44.8539, 32.9766, 17.7847

Sweetspot

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



19.5538, 32.9779, 25.4140



54.4243, 68.5121, 71.3604



17.0462, 32.1277, 5.3033



11.3355, 14.6191, 15.0772



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.5538, 32.9779, 25.4140



34.9187, 59.0201, 44.9883



17.1191, 21.5402, 44.8519



8.6382, 9.5898, 10.3545



14.1935, 23.9034, 18.5535



0.4700, 0.7615, 0.7072

Inverse Universe

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



18.7084, 9.5782, 3.8823



33.4223, 17.1202, 6.5193



18.8370, 10.7570, 1.0839



8.5918, 8.5434, 9.3488



13.5770, 6.9484, 2.9328



0.4528, 0.2289, 0.2272

Previews

White Background



This preview shows how the XYZ color 19.5529, 32.9766, 25.4132 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 19.5529, 32.9766, 25.4132 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 19.5529, 32.9766, 25.4132

Background



This preview shows how black text looks on a background with the XYZ color 19.5529, 32.9766, 25.4132.



This preview shows how white text looks on a background with the XYZ color 19.5529, 32.9766,

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

19.5529, 32.9766, 25.4132

Protanopia

30.2250, 32.3715, 21.1783

Deuteranopia

33.1125, 32.5355, 26.7251



Tritanopia

24.8301, 33.1399, 50.4354

Trichromacy



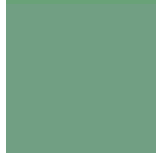
Original Color

19.5529, 32.9766, 25.4132



Protanomaly

22.1362, 30.2000, 22.4318



Deuteranomaly

23.3049, 29.9457, 26.0245



Tritanomaly

22.3538, 32.9436, 39.8309

Monochromacy



Original Color

19.5529, 32.9766, 25.4132



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.5855, 21.3416, 21.3871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5529, 32.9766, 25.4132 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(0, 177, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 127)  
}
```

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(0, 177, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 127) }
```

Border

The CSS property to change the border of an element to XYZ 19.5529, 32.9766, 25.4132 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(0, 177, 127) }
```


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

```
.border{ border-color:rgb(0, 177, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 177, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5529, 32.9766, 25.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 127) }
```

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

```
.background{ background-color: rgb(0, 177,  
127) }
```

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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