

Converting Colors

XYZ(9.9120, 21.0608, 17.4053)

Have a look what the booklet for
XYZ(9.9120, 21.0608, 17.4053)
contains.

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Color

**XYZ(13.5602, 22.8742,
17.6104)**

Conversions

Conversions Part 1

Format	Color
Hex	00966B
RGB	0, 150, 107
RGB Percent	0%, 59%, 42%
CMY	0.9999, 0.4118, 0.5804
CMYK	1.00, 0.00, 0.29, 0.41
HSL	163°, 100%, 29%
HSV	163°, 100%, 59%
XYZ	13.5602, 22.8742, 17.6104
YIQ	100.2480, -75.5970, -45.1730

Conversions

Conversions Part 2

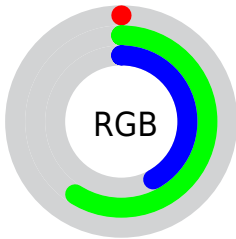
Format	Color
RYB	0, 88, 150
Decimal	38507
CIELab	54.94, -44.52, 13.35
CIELCh	55, 46.480, 163.313
Yxy	22.8742, 0.2509, 0.4232
Android (android.graphics.Color)	4278228587 (0xFF00966B)
YUV	100.2480, 3.3287, -87.9175
Hunter-Lab	47.8270, -33.0878, 11.6477

Details

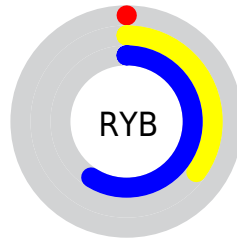
The XYZ color **13.5602, 22.8742, 17.6104** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.0146, 6.6591, 2.8863**, and the grayscale version is **12.1834, 12.8178, 13.9586**.

A 20% lighter version of the original color is **31.8406, 48.1097, 39.9557**, and **5.1571, 9.0511, 5.6129** is the 20% darker color. If you saturate the color by 10%, you get **13.5604, 22.8749, 17.6098**, and if you desaturate by 10%, it is **13.9899, 23.0695, 18.8418**.

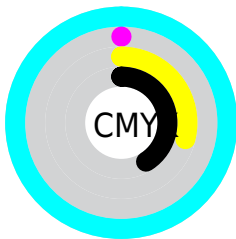
Distribution



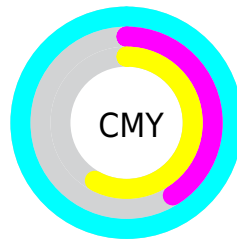
- Red (0%)
- Green (59%)
- Blue (42%)



- Red (0%)
- Yellow (35%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (41%)



- Cyan (100%)
- Magenta (41%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5602, 22.8742, 17.6104 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 13.5602, 22.8742, 17.6104 by changing the saturation by 10% instead.

■ 13.5602, 22.8742,
17.6104

■ 13.5602, 22.8742,
17.6104

208.0432,
267.0782, 250.8277

■ 7.8951, 14.5006,
10.5041

■ 31.8994, 48.1867,
40.1773

■ 4.0791, 8.4697,
5.6245

■ 45.3042, 65.8944,
56.4749

■ 1.7470, 4.3969,
2.5531

■ 62.0197, 87.4823,
76.6734

■ 0.4854, 1.8980,
0.8681

■ 82.4110, 113.3348,
101.1913

■ 0.0000, 0.5472,
0.0000

■ 106.8437,
143.8362, 130.4471

■ 0.0000, 0.0000,
0.0000

■ 135.6831,

179.3710, 164.8595

169.2945,
220.3235, 204.8468

■ 13.5602, 22.8742,
17.6104

■ 13.5602, 22.8742,
17.6104

■ 13.5604, 22.8749,
17.6098

■ 13.9899, 23.0695,
18.8418

■ 14.5719, 23.3414,
20.1393

■ 15.3738, 23.7254,
21.5076

■ 16.4221, 24.2349,
22.9486

■ 17.7391, 24.8817,
24.4641

■ 19.3448, 25.6759,
26.0559

■ 21.2571, 26.6268,
27.7255

■ 23.4926, 27.7428,
29.4744

■ 26.0664, 29.0318,
31.3042

Harmonies

Analogous

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



15.6248, 22.8742, 9.4324



13.5602, 22.8742, 17.6104



13.4502, 22.8742, 32.0331

Triad

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



13.5602, 22.8742, 17.6104



24.1050, 22.8742, 64.0135



29.7822, 22.8742, 10.0648

Complementary

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



13.5602, 22.8742, 17.6104



13.0146, 6.6591, 2.8863

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.



32.8864, 22.8742, 18.9234



13.5602, 22.8742, 17.6104



29.2760, 22.8742, 51.8045

Square

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



13.5602, 22.8742, 17.6104



19.0169, 22.8742, 63.2051



32.6877, 22.8742, 33.9811



24.7141, 22.8742, 6.4072

Rectangle

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



13.5602, 22.8742, 17.6104



14.4640, 22.8742, 43.9811



32.6877, 22.8742, 33.9811



31.1233, 22.8742, 12.3402

Sweetspot

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



13.5608, 22.8751, 17.6109



37.2944, 46.8800, 48.7469



11.9894, 22.3716, 3.6866



7.9692, 10.2420, 10.5521



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.5608, 22.8751, 17.6109



23.8520, 40.3365, 30.6640



12.2224, 15.6362, 31.2291



5.8939, 6.5342, 7.0524



11.2606, 18.9770, 14.6798



0.1506, 0.2374, 0.2468

Inverse Universe

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



13.0146, 6.6591, 2.8863



22.9000, 11.7241, 4.7414



13.0427, 7.4134, 0.7439



5.8651, 5.8411, 6.3958



10.8058, 5.5274, 2.4586



0.1437, 0.0722, 0.0903

Previews

White Background



This preview shows how the XYZ color 13.5602, 22.8742, 17.6104 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 13.5602, 22.8742, 17.6104 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 13.5602, 22.8742, 17.6104

Background



This preview shows how black text looks on a background with the XYZ color 13.5602, 22.8742, 17.6104.



This preview shows how white text looks on a background with the XYZ color 13.5602, 22.8742,

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

13.5602, 22.8742, 17.6104

Protanopia

21.1361, 22.6899, 14.8209

Deuteranopia

22.9632, 22.5756, 18.4765



Tritanopia

17.2050, 22.9912, 34.5413

Trichromacy



Original Color

13.5602, 22.8742, 17.6104



Protanomaly

15.5573, 21.2404, 15.5918



Deuteranomaly

16.1978, 20.8866, 17.9297



Tritanomaly

15.4620, 22.6998, 27.6113

Monochromacy



Original Color

13.5602, 22.8742, 17.6104



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

11.0410, 15.0261, 15.1504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5602, 22.8742, 17.6104 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, 150, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 107)  
}
```

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, 150, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 107) }
```

Border

The CSS property to change the border of an element to XYZ 13.5602, 22.8742, 17.6104 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, 150, 107) }
```


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

```
.border{ border-color:rgb(0, 150, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5602, 22.8742, 17.6104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 107) }
```

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

```
.background{ background-color: rgb(0, 150,  
107) }
```

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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