

Converting Colors

XYZ(9.7868, 18.4197, 10.6138)

Have a look what the booklet for
XYZ(9.7868, 18.4197, 10.6138)
contains.

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Color

**XYZ(10.5364, 18.7561,
10.6544)**

Conversions

Conversions Part 1

Format	Color
Hex	008A50
RGB	0, 138, 80
RGB Percent	0%, 54%, 31%
CMY	1.0000, 0.4588, 0.6863
CMYK	1.00, 0.00, 0.42, 0.46
HSL	155°, 100%, 27%
HSV	155°, 100%, 54%
XYZ	10.5364, 18.7561, 10.6544
YIQ	90.1260, -63.6300, -47.2940

Conversions

Conversions Part 2

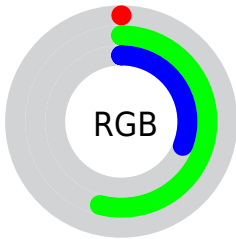
Format	Color
RYB	0, 87, 138
Decimal	35408
CIELab	50.40, -46.02, 22.32
CIELCh	50, 51.148, 154.125
Yxy	18.7561, 0.2638, 0.4695
Android (android.graphics.Color)	4278225488 (0xFF008A50)
YUV	90.1260, -4.9921, -79.0405
Hunter-Lab	43.3083, -32.3626, 15.7297

Details

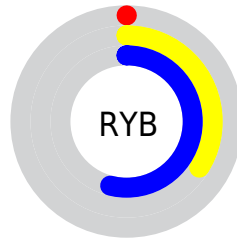
The XYZ color **10.5364, 18.7561, 10.6544** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.2455, 5.7091, 4.5127**, and the grayscale version is **9.7680, 10.2767, 11.1914**.

A 20% lighter version of the original color is **26.5789, 41.5455, 27.7373**, and **3.6969, 6.9319, 2.6565** is the 20% darker color. If you saturate the color by 10%, you get **10.5368, 18.7568, 10.6546**, and if you desaturate by 10%, it is **10.9386, 18.9381, 11.8412**.

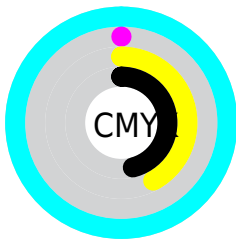
Distribution



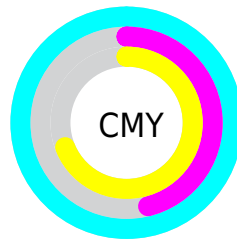
- Red (0%)
- Green (54%)
- Blue (31%)



- Red (0%)
- Yellow (34%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (46%)



- Cyan (100%)
- Magenta (46%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5364, 18.7561, 10.6544 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 10.5364, 18.7561, 10.6544 by changing the saturation by 10% instead.

■ 10.5364, 18.7561,
10.6544

■ 10.5364, 18.7561,
10.6544

188.4335,
245.0990, 205.9325

■ 5.8210, 11.4942,
5.7237

■ 26.4403, 41.3216,
27.6461

■ 2.7762, 6.4003,
2.6118

■ 38.3594, 57.3939,
40.5442

■ 1.0365, 3.0900,
0.8985

■ 53.4106, 77.1718,
56.9352

■ 0.0000, 1.1789,
0.0000

■ 71.9591, 101.0397,
77.2377

■ 0.0000, 0.0444,
0.0000

■ 94.3703, 129.3820,
101.8701

■ 0.0000, 0.0000,
0.0000

■ 121.0095,

162.5830, 131.2510

152.2421,
201.0272, 165.7990

■ 10.5364, 18.7561,
10.6544

■ 10.5364, 18.7561,
10.6544

■ 10.5368, 18.7568,
10.6546

■ 10.9386, 18.9381,
11.8412

■ 11.4713, 19.1847,
13.1327

■ 12.1959, 19.5280,
14.5343

■ 13.1339, 19.9790,
16.0494

■ 14.3038, 20.5472,
17.6809

■ 15.7220, 21.2410,
19.4315

■ 17.4035, 22.0681,
21.3041

■ 19.3617, 23.0354,
23.3012

■ 21.6095, 24.1495,
25.4252

Harmonies

Analogous

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



12.9850, 18.7561, 5.1103



10.5364, 18.7561, 10.6544



9.8926, 18.7561, 22.4549

Triad

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



10.5364, 18.7561, 10.6544



18.5234, 18.7561, 61.6958



26.9671, 18.7561, 8.5938

Complementary

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



10.5364, 18.7561, 10.6544



11.2455, 5.7091, 4.5127

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.



29.1599, 18.7561, 18.5161



10.5364, 18.7561, 10.6544



23.7443, 18.7561, 52.4946

Square

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



10.5364, 18.7561, 10.6544



13.9729, 18.7561, 56.2762



27.8832, 18.7561, 34.8482



22.3319, 18.7561, 4.3678

Rectangle

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



10.5364, 18.7561, 10.6544



10.4497, 18.7561, 33.7769



27.8832, 18.7561, 34.8482



28.0498, 18.7561, 11.1532

Sweetspot

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



10.5369, 18.7569, 10.6548



30.4704, 38.7964, 37.3319



10.9404, 19.1322, 3.1163



6.5831, 8.5781, 8.1000



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



10.5369, 18.7569, 10.6548



18.4923, 33.0290, 18.3585



12.4119, 17.4836, 26.7661



5.0854, 5.6536, 5.9707



9.6678, 17.1997, 9.8072



0.0716, 0.1172, 0.1037

Inverse Universe

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



11.2455, 5.7091, 4.5127



19.7458, 10.0325, 7.5565



10.5815, 5.6033, 0.5239



5.1144, 5.0812, 5.6908



10.3171, 5.2369, 4.1741



0.0756, 0.0376, 0.0648

Previews

White Background



This preview shows how the XYZ color 10.5364, 18.7561, 10.6544 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 10.5364, 18.7561, 10.6544 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 10.5364, 18.7561, 10.6544

Background



This preview shows how black text looks on a background with the XYZ color 10.5364, 18.7561, 10.6544.



This preview shows how white text looks on a background with the XYZ color 10.5364, 18.7561,

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

10.5364, 18.7561, 10.6544

Protanopia

17.0053, 18.4205, 8.9626

Deuteranopia

18.8524, 18.4573, 11.3731



Tritanopia

14.2893, 18.8595, 28.0864

Trichromacy



Original Color

10.5364, 18.7561, 10.6544



Protanomaly

12.3326, 17.2825, 9.5233



Deuteranomaly

12.8996, 16.9797, 10.9850



Tritanomaly

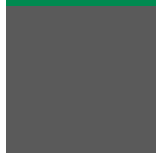
12.4505, 18.6892, 20.4039

Monochromacy



Original Color

10.5364, 18.7561, 10.6544



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

8.6248, 12.0571, 10.6768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5364, 18.7561, 10.6544 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, 138, 80)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 80)  
}
```

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, 138, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 80) }
```

Border

The CSS property to change the border of an element to XYZ 10.5364, 18.7561, 10.6544 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, 138, 80) }
```


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

```
.border{ border-color:rgb(0, 138, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 80);  
box-shadow:4px 4px 4px 4px rgb(0, 138, 80)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.5364, 18.7561, 10.6544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 80) }
```

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

```
.background{ background-color: rgb(0, 138,  
80) }
```

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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