

Converting Colors

XYZ(6.0930, 15.6905, 7.6275)

Have a look what the booklet for
XYZ(6.0930, 15.6905, 7.6275)
contains.

XYZ(9.4505, 17.4204, 7.7149)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(9.4505, 17.4204,
7.7149)**

Conversions

Conversions Part 1

Format	Color
Hex	008640
RGB	0, 134, 64
RGB Percent	0%, 53%, 25%
CMY	1.0000, 0.4745, 0.7490
CMYK	1.00, 0.00, 0.52, 0.47
HSL	149°, 100%, 26%
HSV	149°, 100%, 53%
XYZ	9.4505, 17.4204, 7.7149
YIQ	85.9540, -57.3940, -50.1780

Conversions

Conversions Part 2

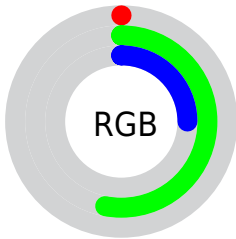
Format	Color
RYB	0, 91, 134
Decimal	34368
CIELab	48.79, -47.61, 28.94
CIElCh	49, 55.715, 148.707
Yxy	17.4204, 0.2732, 0.5037
Android (android.graphics.Color)	4278224448 (0xFF008640)
YUV	85.9540, -10.8233, -75.3817
Hunter-Lab	41.7378, -32.6241, 18.2571

Details

The XYZ color **9.4505, 17.4204, 7.7149** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.9374, 5.5108, 6.2817**, and the grayscale version is **8.8669, 9.3286, 10.1589**.

A 20% lighter version of the original color is **24.3572, 38.9080, 21.8490**, and **3.1944, 6.2270, 1.5639** is the 20% darker color. If you saturate the color by 10%, you get **9.4509, 17.4211, 7.7153**, and if you desaturate by 10%, it is **9.8348, 17.5945, 8.8393**.

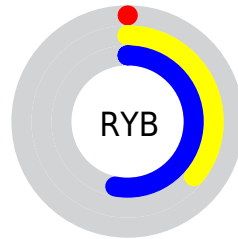
Distribution



Red (0%)

Green (53%)

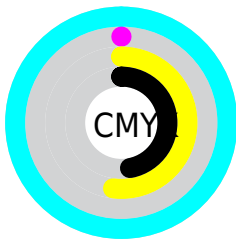
Blue (25%)



Red (0%)

Yellow (36%)

Blue (53%)

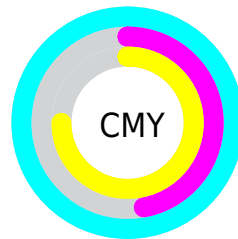


Cyan (100%)

Magenta (0%)

Yellow (52%)

Black (47%)



Cyan (100%)

Magenta (47%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.4505, 17.4204, 7.7149 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 9.4505, 17.4204, 7.7149 by changing the saturation by 10% instead.

■ 9.4505, 17.4204,
7.7149

■ 9.4505, 17.4204,
7.7149

180.8408,
237.5835, 183.3287

■ 5.0956, 10.5347,
3.8279

■ 24.4159, 39.0472,
21.9345

■ 2.3388, 5.7549,
1.5314

■ 35.7570, 54.5570,
33.1042

■ 0.8144, 2.6966,
0.2412

■ 50.1577, 73.7104,
47.5385

■ 0.0000, 0.9755,
0.0000

■ 67.9832, 96.8917,
65.6560

■ 0.0000, 0.0000,
0.0000

■ 89.5989, 124.4852,
87.8752

■ 115.3702,

156.8754, 114.6147

145.6624,
194.4467, 146.2931

■ 9.4505, 17.4204,
7.7149

■ 9.4505, 17.4204,
7.7149

■ 9.4509, 17.4211,
7.7153

■ 9.8348, 17.5945,
8.8393

■ 10.3474, 17.8313,
10.1046

■ 11.0481, 18.1620,
11.5181

■ 11.9573, 18.5969,
13.0851

■ 13.0925, 19.1452,
14.8103

■ 14.4694, 19.8146,
16.6983

■ 16.1020, 20.6124,
18.7535

■ 18.0035, 21.5454,
20.9799

■ 20.1859, 22.6196,
23.3817

Harmonies

Analogous

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



12.2388, 17.4204, 3.3761



9.4505, 17.4204, 7.7149



8.4944, 17.4204, 18.3347

Triad

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



9.4505, 17.4204, 7.7149



16.3350, 17.4204, 63.8465



26.8599, 17.4204, 8.3399

Complementary

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



9.4505, 17.4204, 7.7149



10.9374, 5.5108, 6.2817

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.



28.5735, 17.4204, 19.6154



9.4505, 17.4204, 7.7149



21.7888, 17.4204, 56.3419

Square

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



9.4505, 17.4204, 7.7149



11.9249, 17.4204, 55.0290



26.5524, 17.4204, 37.8599



22.2572, 17.4204, 3.5828

Rectangle

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



9.4505, 17.4204, 7.7149



8.8327, 17.4204, 29.6054



26.5524, 17.4204, 37.8599



27.8303, 17.4204, 11.2431

Sweetspot

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



9.4509, 17.4211, 7.7153



28.1648, 36.2156, 32.7921



11.1585, 18.4083, 2.9650



6.1044, 8.0412, 7.0904



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



9.4509, 17.4211, 7.7153



16.5747, 30.6625, 13.1919



12.5236, 18.6502, 23.8959



4.7020, 5.2390, 5.4421



8.8619, 16.3276, 7.2584



0.0344, 0.0580, 0.0444

Inverse Universe

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



10.9374, 5.5108, 6.2817



19.1925, 9.6780, 10.6595



9.8564, 5.0783, 0.5890



4.7666, 4.7263, 5.3832



10.2550, 5.1664, 5.9153



0.0392, 0.0194, 0.0399

Previews

White Background



This preview shows how the XYZ color 9.4505, 17.4204, 7.7149 looks on a white background.

Color Contrast Check

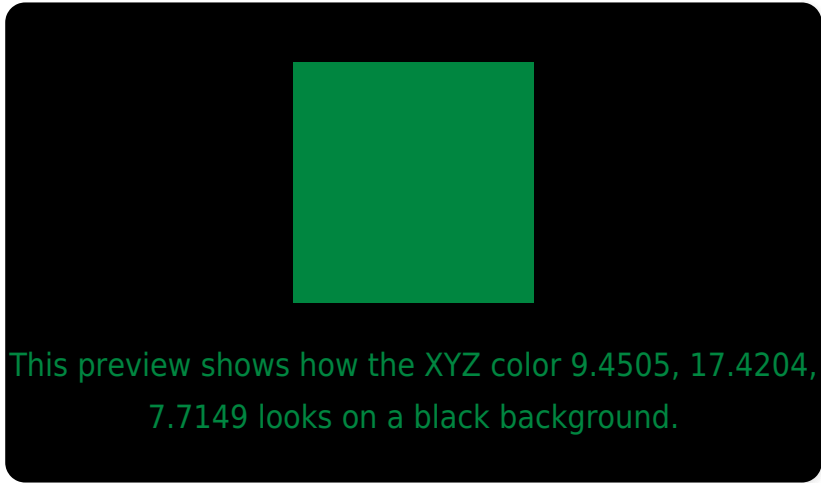
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

XYZ 9.4505, 17.4204, 7.7149

Background



This preview shows how black text looks on a background with the XYZ color 9.4505, 17.4204, 7.7149.



This preview shows how white text looks on a background with the XYZ color 9.4505, 17.4204,

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

9.4505, 17.4204, 7.7149

Protanopia

15.9112, 17.3855, 6.5201

Deuteranopia

17.4966, 17.1695, 8.1862



Tritanopia

13.3210, 17.4293, 25.9547

Trichromacy



Original Color

9.4505, 17.4204, 7.7149



Protanomaly

11.2919, 16.2415, 6.8147



Deuteranomaly

11.7600, 15.7349, 7.8862



Tritanomaly

11.2919, 17.1496, 17.4669

Monochromacy



Original Color

9.4505, 17.4204, 7.7149



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

7.8009, 11.0628, 8.9319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.4505, 17.4204, 7.7149 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, 134, 64)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 64)  
}
```

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, 134, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 64) }
```

Border

The CSS property to change the border of an element to XYZ 9.4505, 17.4204, 7.7149 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, 134, 64) }
```


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

```
.border{ border-color:rgb(0, 134, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 134, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 64);  
box-shadow:4px 4px 4px 4px rgb(0, 134, 64)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.4505, 17.4204, 7.7149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 64) }
```

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

```
.background{ background-color: rgb(0, 134,  
64) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor