

Converting Colors

XYZ(9.3483, 14.4139, 18.2009)

Have a look what the booklet for
XYZ(9.3483, 14.4139, 18.2009)
contains.

XYZ(9.7537, 14.6478, 18.2328)	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(9.7537, 14.6478,
18.2328)**

Conversions

Conversions Part 1

Format	Color
Hex	007872
RGB	0, 120, 114
RGB Percent	0%, 47%, 45%
CMY	1.0000, 0.5294, 0.5529
CMYK	1.00, 0.00, 0.05, 0.53
HSL	177°, 100%, 24%
HSV	177°, 100%, 47%
XYZ	9.7537, 14.6478, 18.2328
YIQ	83.4360, -69.5940, -27.3060

Conversions

Conversions Part 2

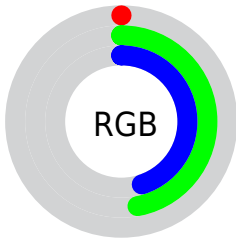
Format	Color
RYB	0, 62, 120
Decimal	30834
CIELab	45.15, -29.48, -4.81
CIELCh	45, 29.870, 189.266
Yxy	14.6478, 0.2288, 0.3436
Android (android.graphics.Color)	4278220914 (0xFF007872)
YUV	83.4360, 15.0681, -73.1734
Hunter-Lab	38.2724, -21.4862, -1.4547

Details

The XYZ color **9.7537, 14.6478, 18.2328** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.7790, 4.0066, 0.5360**, and the grayscale version is **8.2922, 8.7240, 9.5004**.

A 20% lighter version of the original color is **25.0510, 34.3026, 41.3771**, and **3.2366, 4.8998, 5.9294** is the 20% darker color. If you saturate the color by 10%, you get **9.7539, 14.6483, 18.2330**, and if you desaturate by 10%, it is **9.9401, 14.7402, 18.4208**.

Distribution



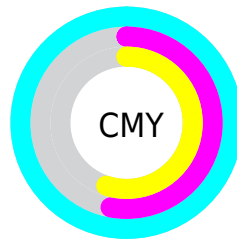
- Red (0%)
- Green (47%)
- Blue (45%)



- Red (0%)
- Yellow (24%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (53%)



- Cyan (100%)
- Magenta (53%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7537, 14.6478, 18.2328 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 9.7537, 14.6478, 18.2328 by changing the saturation by 10% instead.

9.7537, 14.6478,
18.2328

9.7537, 14.6478,
18.2328

182.9956,
221.2244, 254.4600

5.2970, 8.5726,
10.9461

24.9851, 34.2341,
41.2529

2.4591, 4.4635,
5.9169

36.4905, 48.5140,
57.8234

0.8747, 1.9360,
2.7266

51.0761, 66.2976,
78.3255

0.0000, 0.5699,
0.9568

69.1074, 87.9692,
103.1778

0.0000, 0.0000,
0.0000

90.9496, 113.9133,
132.7989

116.9681,

144.5143, 167.6073

147.5284,
180.1565, 208.0214

■ 9.7537, 14.6478,
18.2328

■ 9.7537, 14.6478,
18.2328

■ 9.7539, 14.6483,
18.2330

■ 9.9401, 14.7402,
18.4208

■ 10.1998, 14.8701,
18.6130

■ 10.5855, 15.0650,
18.8124

■ 11.1120, 15.3324,
19.0195

■ 11.7919, 15.6788,
19.2349

■ 12.6365, 16.1101,
19.4593

■ 13.6560, 16.6316,
19.6930

■ 14.8599, 17.2480,
19.9365

■ 16.2567, 17.9639,
20.1902

Harmonies

Analogous

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



9.9481, 14.6478, 11.6150



9.7537, 14.6478, 18.2328



10.5698, 14.6478, 26.1594

Triad

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



9.7537, 14.6478, 18.2328



17.1382, 14.6478, 28.9149



15.6662, 14.6478, 6.3335

Complementary

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



9.7537, 14.6478, 18.2328



7.7790, 4.0066, 0.5360

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.



17.9179, 14.6478, 8.8156



9.7537, 14.6478, 18.2328



18.8349, 14.6478, 21.2457

Square

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



9.7537, 14.6478, 18.2328



14.6984, 14.6478, 33.4181



19.1359, 14.6478, 13.8643



13.1740, 14.6478, 5.9622

Rectangle

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



9.7537, 14.6478, 18.2328



11.6407, 14.6478, 30.6691



19.1359, 14.6478, 13.8643



16.4841, 14.6478, 6.9041

Sweetspot

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



9.7541, 14.6483, 18.2332



23.8733, 29.1772, 34.6042



6.8170, 13.4851, 2.2439



5.5062, 6.8372, 8.1673



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



9.7541, 14.6483, 18.2332



17.1402, 25.7570, 31.9901



5.4579, 5.4912, 18.5421



4.0988, 4.5091, 5.0542



10.6391, 15.9793, 19.8824



50.6540, 76.1846, 94.3369

Inverse Universe

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



7.7790, 4.0066, 0.5360



13.6660, 7.0402, 0.8620



8.9744, 6.4499, 0.7723



4.0057, 4.0180, 4.2276



8.4844, 4.3699, 0.5757



40.3783, 20.8077, 2.2563

Previews

White Background



This preview shows how the XYZ color 9.7537, 14.6478, 18.2328 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



This preview shows how the XYZ color 9.7537, 14.6478, 18.2328 looks on a 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 9.7537, 14.6478, 18.2328

Background



This preview shows how black text looks on a background with the XYZ color 9.7537, 14.6478, 18.2328.



This preview shows how white text looks on a background with the XYZ color 9.7537, 14.6478,

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

9.7537, 14.6478, 18.2328

Protanopia

14.0622, 14.5999, 15.7126

Deuteranopia

14.9024, 14.6534, 19.1825



Tritanopia

10.8267, 14.7484, 22.6982

Trichromacy



Original Color

9.7537, 14.6478, 18.2328

Protanomaly

10.8990, 13.7382, 16.5453

Deuteranomaly

11.3853, 13.7758, 18.8885

Tritanomaly

10.4031, 14.7429, 21.0362

Monochromacy



Original Color

9.7537, 14.6478, 18.2328

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

7.6714, 9.9308, 12.1022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7537, 14.6478, 18.2328 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, 120, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 114)  
}
```

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, 120, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 114) }
```

Border

The CSS property to change the border of an element to XYZ 9.7537, 14.6478, 18.2328 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, 120, 114) }
```


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

```
.border{ border-color:rgb(0, 120, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7537, 14.6478, 18.2328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 114) }
```

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

```
.background{ background-color: rgb(0, 120,  
114) }
```

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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