

Converting Colors

XYZ(9.6118, 14.3910, 16.5379)

Have a look what the booklet for
XYZ(9.6118, 14.3910, 16.5379)
contains.

XYZ(9.6345, 14.4469, 16.4681)	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(9.6345, 14.4469,
16.4681)**

Conversions

Conversions Part 1

Format	Color
Hex	16776C
RGB	22, 119, 108
RGB Percent	9%, 47%, 42%
CMY	0.9137, 0.5333, 0.5765
CMYK	0.82, 0.00, 0.09, 0.53
HSL	173°, 69%, 28%
HSV	173°, 82%, 47%
XYZ	9.6345, 14.4469, 16.4681
YIQ	88.7430, -54.2810, -23.9850

Conversions

Conversions Part 2

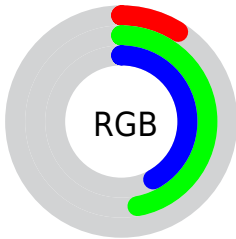
Format	Color
RYB	22, 73, 119
Decimal	1472364
CIELab	44.87, -29.23, -1.62
CIELCh	45, 29.272, 183.165
Yxy	14.4469, 0.2376, 0.3563
Android (android.graphics.Color)	4279662444 (0xFF16776C)
YUV	88.7430, 9.4937, -58.5336
Hunter-Lab	38.0091, -21.2699, 0.9179

Details

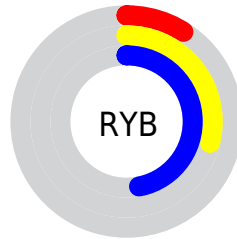
The XYZ color **9.6345, 14.4469, 16.4681** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.1697, 4.6061, 1.8980**, and the grayscale version is **9.4278, 9.9187, 10.8015**.

A 20% lighter version of the original color is **24.7568, 33.9395, 38.0471**, and **3.0325, 4.7172, 5.1656** is the 20% darker color. If you saturate the color by 10%, you get **9.3591, 14.3135, 16.0834**, and if you desaturate by 10%, it is **10.0330, 14.6443, 16.8650**.

Distribution



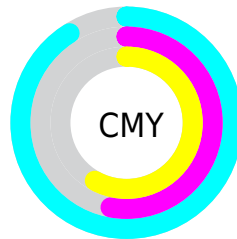
- Red (9%)
- Green (47%)
- Blue (42%)



- Red (9%)
- Yellow (29%)
- Blue (47%)



- Cyan (82%)
- Magenta (0%)
- Yellow (9%)
- Black (53%)



- Cyan (91%)
- Magenta (53%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.6345, 14.4469, 16.4681 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 9.6345, 14.4469, 16.4681 by changing the saturation by 10% instead.

9.6345, 14.4469,
16.4681

9.6345, 14.4469,
16.4681

182.1519,
219.9936, 244.0276

5.2177, 8.4321,
9.6981

24.7617, 33.8799,
38.1870

2.4116, 4.3727,
5.0963

36.2028, 48.0670,
53.9729

0.8509, 1.8841,
2.2441

50.7160, 65.7469,
73.6013

0.0000, 0.5388,
0.6997

68.6668, 87.3041,
97.4905

0.0000, 0.0000,
0.0000

90.4204, 113.1230,
126.0592

116.3422,

143.5879, 159.7259

146.7976,
179.0833, 198.9092

■ 9.6345, 14.4469,
16.4681

■ 9.6345, 14.4469,
16.4681

■ 9.3591, 14.3135,
16.0834

■ 10.0330, 14.6443,
16.8650

■ 9.1729, 14.2244,
15.7631

■ 10.5679, 14.9116,
17.2738

■ 11.2525, 15.2559,
17.6954

■ 12.0979, 15.6829,
18.1305

■ 13.1143, 16.1980,
18.5795

■ 14.3110, 16.8059,
19.0428

■ 15.6965, 17.5111,
19.5210

■ 17.2791, 18.3176,
20.0143

■ 19.0662, 19.2295,
20.5232

Harmonies

Analogous

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



10.0250, 14.4469, 10.5049



9.6345, 14.4469, 16.4681



10.2321, 14.4469, 24.0855

Triad

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



9.6345, 14.4469, 16.4681



16.4022, 14.4469, 29.5220



15.9124, 14.4469, 6.6657

Complementary

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



9.6345, 14.4469, 16.4681



8.1697, 4.6061, 1.8980

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.



17.9493, 14.4469, 9.5724



9.6345, 14.4469, 16.4681



18.2543, 14.4469, 22.4520

Square

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



9.6345, 14.4469, 16.4681



13.9866, 14.4469, 32.8732



18.8507, 14.4469, 15.0147



13.4792, 14.4469, 5.9079

Rectangle

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



9.6345, 14.4469, 16.4681



11.1561, 14.4469, 28.7922



18.8507, 14.4469, 15.0147



16.6752, 14.4469, 7.3720

Sweetspot

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



9.6349, 14.4475, 16.4684



24.9256, 29.7377, 33.8391



7.3796, 13.5807, 2.9919



5.7577, 6.9716, 7.9620



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.



9.6349, 14.4475, 16.4684



16.4584, 25.4888, 28.1962



6.6648, 7.5103, 18.5516



3.7663, 4.1485, 4.6032



9.7432, 15.1113, 16.7355



47.2800, 73.5593, 80.5027

Inverse Universe

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



8.1697, 4.6061, 1.8980



13.7870, 7.1426, 1.3327



9.3266, 7.1275, 1.6437



3.6993, 3.7070, 3.9433



8.1613, 4.1982, 0.7915



39.6022, 20.3910, 2.9688

Previews

White Background



This preview shows how the XYZ color 9.6345, 14.4469, 16.4681 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 9.6345, 14.4469, 16.4681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

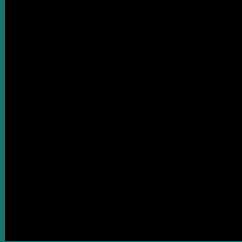
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.6345, 14.4469, 16.4681

Background



This preview shows how black text looks on a background with the XYZ color 9.6345, 14.4469, 16.4681.



This preview shows how white text looks on a background with the XYZ color 9.6345, 14.4469, 16.4681.

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

9.6345, 14.4469, 16.4681

Protanopia

13.6585, 14.2745, 14.0920

Deuteranopia

14.5849, 14.3811, 17.3363



Tritanopia

10.7388, 14.3722, 21.9468

Trichromacy



Original Color

9.6345, 14.4469, 16.4681

Protanomaly

11.0847, 13.7089, 14.8938

Deuteranomaly

11.6461, 13.7904, 17.0869

Tritanomaly

10.2561, 14.3458, 19.6812

Monochromacy



Original Color

9.6345, 14.4469, 16.4681

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

8.8485, 11.0827, 12.7391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6345, 14.4469, 16.4681 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(22, 119, 108)` looks like.

```
.text, #text, p{  
  color:rgb(22, 119, 108)  
}
```

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(22, 119, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 119, 108) }
```

Border

The CSS property to change the border of an element to XYZ 9.6345, 14.4469, 16.4681 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(22, 119, 108) }
```


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

```
.border{ border-color:rgb(22, 119, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 119, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 119, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 119, 108);  
box-shadow:4px 4px 4px 4px rgb(22, 119,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 9.6345, 14.4469, 16.4681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 119, 108) }
```

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

```
.background{ background-color: rgb(22, 119,  
108) }
```

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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