

Converting Colors

XYZ(4.5916, 11.2510, 19.8198)

Have a look what the booklet for
XYZ(4.5916, 11.2510, 19.8198)
contains.

XYZ(9.6356, 13.8468, 19.9342)	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(9.6356, 13.8468,
19.9342)**

Conversions

Conversions Part 1

Format	Color
Hex	007478
RGB	0, 116, 120
RGB Percent	0%, 45%, 47%
CMY	0.9999, 0.5451, 0.5294
CMYK	1.00, 0.03, 0.00, 0.53
HSL	182°, 100%, 24%
HSV	182°, 100%, 47%
XYZ	9.6356, 13.8468, 19.9342
YIQ	81.7720, -70.4200, -23.3480

Conversions

Conversions Part 2

Format	Color
RYB	0, 59, 120
Decimal	29816
CIELab	44.01, -25.53, -10.09
CIElCh	44, 27.457, 201.571
Yxy	13.8468, 0.2219, 0.3189
Android (android.graphics.Color)	4278219896 (0xFF007478)
YUV	81.7720, 18.8464, -71.7140
Hunter-Lab	37.2113, -18.8984, -5.7139

Details

The XYZ color **9.6356, 13.8468, 19.9342** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.7896, 4.0805, 0.3776**, and the grayscale version is **7.9494, 8.3634, 9.1077**.

A 20% lighter version of the original color is **24.6735, 32.6461, 44.0306**, and **3.1769, 4.4822, 6.8286** is the 20% darker color. If you saturate the color by 10%, you get **9.6357, 13.8470, 19.9345**, and if you desaturate by 10%, it is **9.8339, 14.0179, 19.9570**.

Distribution



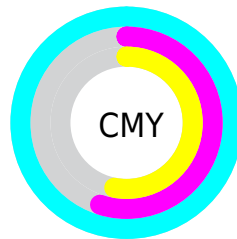
- Red (0%)
- Green (45%)
- Blue (47%)



- Red (0%)
- Yellow (23%)
- Blue (47%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (53%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.6356, 13.8468, 19.9342 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 9.6356, 13.8468, 19.9342 by changing the saturation by 10% instead.

■ 9.6356, 13.8468,
19.9342

■ 9.6356, 13.8468,
19.9342

■ 182.1597,
216.2757, 264.1511

■ 5.2184, 8.0142,
12.1636

■ 24.7638, 32.8170,
44.1644

■ 2.4121, 4.1040,
6.7313

■ 36.2054, 46.7233,
61.4610

■ 0.8511, 1.7319,
3.2188

■ 50.7194, 64.0896,
82.7701

■ 0.0000, 0.4442,
1.2074

■ 68.6709, 85.3004,
108.5102

■ 0.0000, 0.0000,
0.0000

■ 90.4253, 110.7400,
139.0998

■ 116.3480,

140.7928, 174.9575

146.8043,
175.8433, 216.5017

■ 9.6356, 13.8468,
19.9342

■ 9.6356, 13.8468,
19.9342

■ 9.6357, 13.8470,
19.9345

■ 9.8339, 14.0179,
19.9570

■ 10.1056, 14.2269,
19.9831

■ 10.5033, 14.5011,
20.0150

■ 11.0417, 14.8482,
20.0536

■ 11.7336, 15.2746,
20.0995

■ 12.5901, 15.7863,
20.1531

■ 13.6215, 16.3884,
20.2149

■ 14.8372, 17.0857,
20.2855

■ 16.2459, 17.8829,
20.3651

Harmonies

Analogous

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



9.4353, 13.8468, 13.3850



9.6356, 13.8468, 19.9342



10.7242, 13.8468, 26.5695

Triad

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



9.6356, 13.8468, 19.9342



16.7247, 13.8468, 23.8350



13.7849, 13.8468, 6.0478

Complementary

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



9.6356, 13.8468, 19.9342



7.7896, 4.0805, 0.3776

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.



15.9415, 13.8468, 7.4934



9.6356, 13.8468, 19.9342



17.7572, 13.8468, 16.9055

Square

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



9.6356, 13.8468, 19.9342



14.7627, 13.8468, 29.2199



17.4558, 13.8468, 11.0805



11.6795, 13.8468, 6.4428

Rectangle

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



9.6356, 13.8468, 19.9342



11.8801, 13.8468, 29.5712



17.4558, 13.8468, 11.0805



14.5308, 13.8468, 6.3159

Sweetspot

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



9.6360, 13.8473, 19.9345



23.8099, 28.7383, 35.5452



6.7389, 13.4421, 2.3549



5.4895, 6.7217, 8.4148



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.



9.6360, 13.8473, 19.9345



16.9273, 24.3143, 35.0540



4.8052, 4.1857, 18.3243



4.0962, 4.4906, 5.0941



10.5097, 15.1019, 21.7463



50.0031, 71.7789, 103.6891

Inverse Universe

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



10.8986, 5.2546, 16.9632



19.1578, 9.2369, 29.7815



9.5800, 7.6611, 0.9744



4.1490, 4.0753, 4.9823



11.8881, 5.7314, 18.4997



56.6424, 27.3133, 87.9019

Previews

White Background



This preview shows how the XYZ color 9.6356, 13.8468, 19.9342 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 9.6356, 13.8468, 19.9342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

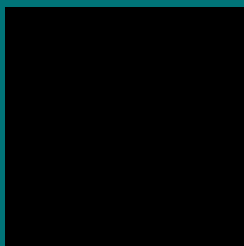
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.6356, 13.8468, 19.9342

Background



This preview shows how black text looks on a background with the XYZ color 9.6356, 13.8468, 19.9342.



This preview shows how white text looks on a background with the XYZ color 9.6356, 13.8468,

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

9.6356, 13.8468, 19.9342

Protanopia

13.3684, 13.7539, 17.2794

Deuteranopia

13.9378, 13.6805, 20.6449



Tritanopia

10.0636, 13.8613, 21.5471

Trichromacy



Original Color

9.6356, 13.8468, 19.9342

Protanomaly

10.7038, 13.1212, 18.1881

Deuteranomaly

10.9137, 12.8715, 20.3216

Tritanomaly

9.8439, 13.7627, 20.8765

Monochromacy



Original Color

9.6356, 13.8468, 19.9342

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

7.5302, 9.5800, 12.5186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6356, 13.8468, 19.9342 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, 116, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 120)  
}
```

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, 116, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 120) }
```

Border

The CSS property to change the border of an element to XYZ 9.6356, 13.8468, 19.9342 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, 116, 120) }
```


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

```
.border{ border-color:rgb(0, 116, 120) }
```

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

Here you see how a box with a 4 pixel rgb(0, 116, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 9.6356, 13.8468, 19.9342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 120) }
```

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

```
.background{ background-color: rgb(0, 116,  
120) }
```

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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