

Converting Colors

XYZ(3.3260, 9.6622, 16.2195)

Have a look what the booklet for
XYZ(3.3260, 9.6622, 16.2195)
contains.

XYZ(8.3362, 12.2560, 16.3943)	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(8.3362, 12.2560,
16.3943)**

Conversions

Conversions Part 1

Format	Color
Hex	006E6D
RGB	0, 110, 109
RGB Percent	0%, 43%, 43%
CMY	1.0000, 0.5686, 0.5725
CMYK	1.00, 0.00, 0.01, 0.57
HSL	179°, 100%, 22%
HSV	179°, 100%, 43%
XYZ	8.3362, 12.2560, 16.3943
YIQ	76.9960, -65.2390, -23.6310

Conversions

Conversions Part 2

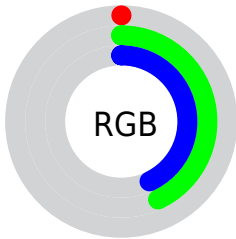
Format	Color
RYB	0, 55, 110
Decimal	28269
CIELab	41.62, -26.21, -7.05
CIELCh	42, 27.145, 195.064
Yxy	12.2560, 0.2254, 0.3314
Android (android.graphics.Color)	4278218349 (0xFF006E6D)
YUV	76.9960, 15.7780, -67.5255
Hunter-Lab	35.0086, -18.7608, -3.2591

Details

The XYZ color **8.3362, 12.2560, 16.3943** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.4362, 3.3174, 0.3300**, and the grayscale version is **7.0341, 7.4004, 8.0591**.

A 20% lighter version of the original color is **22.2460, 29.9152, 37.8594**, and **2.5921, 3.7930, 5.1529** is the 20% darker color. If you saturate the color by 10%, you get **8.3365, 12.2564, 16.3946**, and if you desaturate by 10%, it is **8.4800, 12.3298, 16.4295**.

Distribution



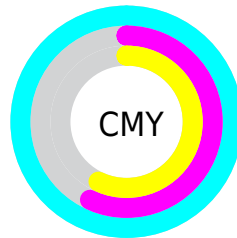
- Red (0%)
- Green (43%)
- Blue (43%)



- Red (0%)
- Yellow (22%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (57%)



- Cyan (100%)
- Magenta (57%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.3362, 12.2560, 16.3943 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 8.3362, 12.2560, 16.3943 by changing the saturation by 10% instead.

8.3362, 12.2560,
16.3943

8.3362, 12.2560,
16.3943

172.6598,
206.0928, 243.5819

4.3644, 6.9183,
9.6462

22.2941, 29.9605,
38.0577

1.9103, 3.4110,
5.0625

33.0109, 43.0961,
53.8100

0.5828, 1.3499,
2.2246

46.7068, 59.5997,
73.4009

0.0000, 0.1794,
0.6885

63.7472, 79.8558,
97.2488

0.0000, 0.0000,
0.0000

84.4973, 104.2488,
125.7724

109.3225,

133.1630, 159.3900

138.5882,
166.9829, 198.5204

8.3362, 12.2560,
16.3943

8.3362, 12.2560,
16.3943

8.3365, 12.2564,
16.3946

8.4800, 12.3298,
16.4295

8.6783, 12.4314,
16.4669

8.9801, 12.5863,
16.5093

9.3971, 12.8007,
16.5570

9.9394, 13.0796,
16.6107

■ 10.6162, 13.4279,
16.6707

■ 11.4355, 13.8496,
16.7374

■ 12.4050, 14.3488,
16.8111

■ 13.5317, 14.9290,
16.8922

Harmonies

Analogous

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



8.3344, 12.2560, 10.7191



8.3362, 12.2560, 16.3943



9.1540, 12.2560, 22.6827

Triad

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



8.3362, 12.2560, 16.3943



14.5674, 12.2560, 22.6583



12.6614, 12.2560, 5.3202

Complementary

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



8.3362, 12.2560, 16.3943



6.4362, 3.3174, 0.3300

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.



14.5604, 12.2560, 7.0023



8.3362, 12.2560, 16.3943



15.7429, 12.2560, 16.3674

Square

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



8.3362, 12.2560, 16.3943



12.6701, 12.2560, 26.9401



15.7403, 12.2560, 10.6989



10.6842, 12.2560, 5.3236

Rectangle

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



8.3362, 12.2560, 16.3943



10.1116, 12.2560, 25.9246



15.7403, 12.2560, 10.6989



13.3347, 12.2560, 5.6802

Sweetspot

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



8.3366, 12.2565, 16.3946



19.9569, 24.2573, 29.3832



5.5992, 11.1642, 1.8599



4.5345, 5.5884, 6.8289



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



8.3366, 12.2565, 16.3946



14.6375, 21.5229, 28.7778



4.2697, 4.0360, 15.3064



3.4737, 3.8147, 4.3009



10.0138, 14.7230, 19.6911



49.8644, 73.3344, 97.9923

Inverse Universe

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



6.4362, 3.3174, 0.3300



11.3002, 5.8247, 0.5660



7.7116, 5.8769, 0.7281



3.3856, 3.4020, 3.5574



7.7309, 3.9847, 0.3930



38.4937, 19.8428, 1.8658

Previews

White Background



This preview shows how the XYZ color 8.3362, 12.2560, 16.3943 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 8.3362, 12.2560, 16.3943 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 8.3362, 12.2560, 16.3943

Background



This preview shows how black text looks on a background with the XYZ color 8.3362, 12.2560, 16.3943.



This preview shows how white text looks on a background with the XYZ color 8.3362, 12.2560,

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

8.3362, 12.2560, 16.3943

Protanopia

11.7692, 12.1416, 14.0352

Deuteranopia

12.4743, 12.3023, 17.0463



Tritanopia

9.0479, 12.4047, 19.0570

Trichromacy



Original Color

8.3362, 12.2560, 16.3943

Protanomaly

9.3000, 11.5590, 14.8376

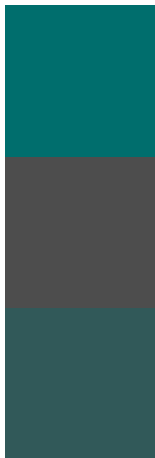
Deuteranomaly

9.6373, 11.5450, 16.7594

Tritanomaly

8.7291, 12.2606, 18.1261

Monochromacy



Original Color

8.3362, 12.2560, 16.3943

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

6.6422, 8.5190, 10.7454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.3362, 12.2560, 16.3943 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, 110, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 109)  
}
```

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, 110, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 109) }
```

Border

The CSS property to change the border of an element to XYZ 8.3362, 12.2560, 16.3943 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, 110, 109) }
```


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

```
.border{ border-color:rgb(0, 110, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 110, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 110,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 8.3362, 12.2560, 16.3943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 109) }
```

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

```
.background{ background-color: rgb(0, 110,  
109) }
```

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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