

Converting Colors

XYZ(1.2365, 3.0545, 5.4994)

Have a look what the booklet for
XYZ(1.2365, 3.0545, 5.4994)
contains.

XYZ(2.6768, 3.8269, 5.5986)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

XYZ(2.6768, 3.8269, 5.5986)

Conversions

Conversions Part 1

Format	Color
Hex	003E41
RGB	0, 62, 65
RGB Percent	0%, 24%, 25%
CMY	1.0000, 0.7569, 0.7451
CMYK	1.00, 0.05, 0.00, 0.75
HSL	183°, 100%, 13%
HSV	183°, 100%, 25%
XYZ	2.6768, 3.8269, 5.5986
YIQ	43.8040, -37.9150, -12.2110

Conversions

Conversions Part 2

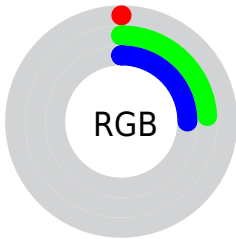
Format	Color
RYB	0, 32, 65
Decimal	15937
CIELab	23.09, -16.37, -6.97
CIElCh	23, 17.794, 203.071
Yxy	3.8269, 0.2212, 0.3162
Android (android.graphics.Color)	4278206017 (0xFF003E41)
YUV	43.8040, 10.4496, -38.4161
Hunter-Lab	19.5625, -9.8095, -3.2745

Details

The XYZ color **2.6768, 3.8269, 5.5986** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **2.2127, 1.1892, 0.1132**, and the grayscale version is **2.3677, 2.4910, 2.7127**.

A 20% lighter version of the original color is **10.3015, 13.2437, 17.6361**, and **0.4048, 0.5622, 0.8978** is the 20% darker color. If you saturate the color by 10%, you get **2.6768, 3.8269, 5.5987**, and if you desaturate by 10%, it is **2.7746, 3.9017, 5.6080**.

Distribution



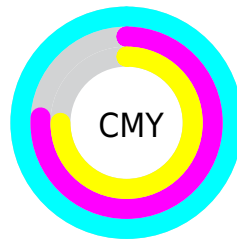
- Red (0%)
- Green (24%)
- Blue (25%)



- Red (0%)
- Yellow (13%)
- Blue (25%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (75%)




- Cyan (100%)
- Magenta (76%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 2.6768, 3.8269, 5.5986 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 2.6768, 3.8269, 5.5986 by changing the saturation by 10% instead.


 2.6768, 3.8269,
5.5986


 2.6768, 3.8269,
5.5986

 119.7680,
137.8196, 164.6130


 0.9852, 1.5772,
2.5378


 10.2936, 13.2186,
17.5549


 0.0000, 0.3422,
0.8601

 16.9495, 21.1293,
27.2875

 0.0000, 0.0000,
0.0000


 25.9909, 31.6959,
40.0811


 37.7832, 45.3026,
56.3543

 52.6917, 62.3340,
76.5255


 71.0818, 83.1744,


101.0133


 93.3187, 108.2081,
130.2363


 2.6768, 3.8269,
5.5986

 2.6768, 3.8269,
5.5986


 2.6768, 3.8269,
5.5987

 2.7746, 3.9017,
5.6080

 2.8757, 3.9782,
5.6174

 3.0048, 4.0693,
5.6282

 3.1690, 4.1787,
5.6406

 3.3711, 4.3077,
5.6549

■ 3.6134, 4.4575,
5.6710

■ 3.8980, 4.6293,
5.6892

■ 4.2269, 4.8241,
5.7095

■ 4.6020, 5.0429,
5.7319

Harmonies

Analogous

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



2.6091, 3.8269, 3.7812



2.6768, 3.8269, 5.5986



2.9880, 3.8269, 7.4011

Triad

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



2.6768, 3.8269, 5.5986



4.6385, 3.8269, 6.4810



3.7782, 3.8269, 1.6742

Complementary

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



2.6768, 3.8269, 5.5986



2.2127, 1.1892, 0.1132

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.



4.3746, 3.8269, 2.0462



2.6768, 3.8269, 5.5986



4.9055, 3.8269, 4.5778

Square

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



2.6768, 3.8269, 5.5986



4.1079, 3.8269, 8.0005



4.8039, 3.8269, 3.0027



3.2042, 3.8269, 1.8083

Rectangle

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



2.6768, 3.8269, 5.5986



3.3120, 3.8269, 8.1888



4.8039, 3.8269, 3.0027



3.9833, 3.8269, 1.7398

Sweetspot

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



2.6769, 3.8270, 5.5987



6.4962, 7.7535, 9.5725



1.9023, 3.7855, 0.6929



1.7649, 2.1212, 2.6357



38.6329, 40.6448, 44.2622



2.3302, 2.4515, 2.6697

Same Dimension

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



2.6769, 3.8270, 5.5987



4.4943, 6.4188, 9.4204



1.4271, 1.3275, 5.1821



1.3510, 1.4717, 1.6628



6.0173, 8.5898, 12.6257



37.5663, 53.5183, 79.1559

Inverse Universe

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



3.0496, 1.4718, 4.6809



5.1274, 2.4749, 7.8485



2.7714, 2.3066, 0.2994



1.3666, 1.3558, 1.6283



6.8696, 3.3161, 10.5015



43.0077, 20.7685, 65.3889

Previews

White Background



This preview shows how the XYZ color 2.6768, 3.8269, 5.5986 looks on a white background.

Color Contrast Check

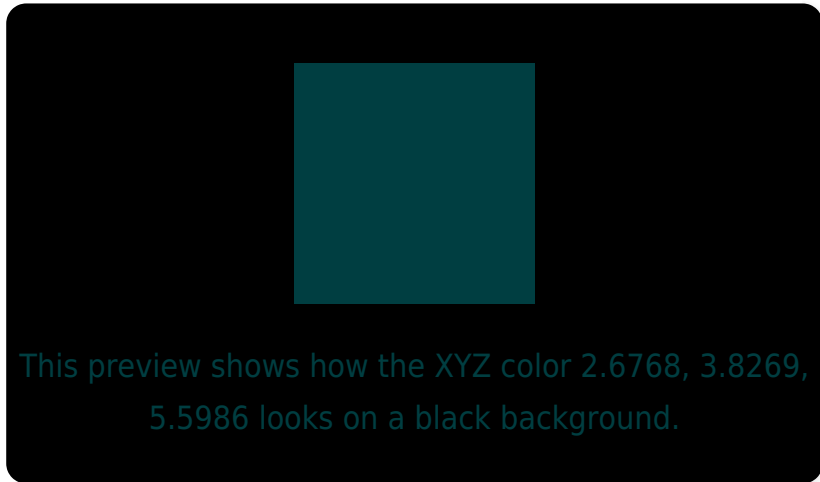
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

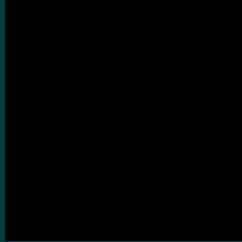
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 2.6768, 3.8269, 5.5986

Background



This preview shows how black text looks on a background with the XYZ color 2.6768, 3.8269, 5.5986.



This preview shows how white text looks on a background with the XYZ color 2.6768, 3.8269, 5.5986.

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

2.6768, 3.8269, 5.5986

Protanopia

3.7840, 3.8815, 4.9646

Deuteranopia

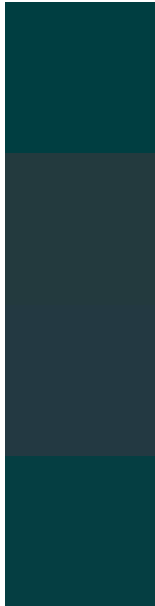
3.9078, 3.8558, 5.8485



Tritanopia

2.8359, 3.9021, 5.9139

Trichromacy



Original Color

2.6768, 3.8269, 5.5986

Protanomaly

3.0757, 3.7312, 5.1155

Deuteranomaly

3.1396, 3.6769, 5.6985

Tritanomaly

2.7686, 3.8709, 5.7555

Monochromacy



Original Color

2.6768, 3.8269, 5.5986

Achromatopsia

2.3940, 2.5187, 2.7428

Achromatomaly

2.2825, 2.8625, 3.6810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 2.6768, 3.8269, 5.5986 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, 62, 65)` looks like.

```
.text, #text, p{  
    color:rgb(0, 62, 65)  
}
```

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, 62, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 62, 65) }
```

Border

The CSS property to change the border of an element to XYZ 2.6768, 3.8269, 5.5986 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, 62, 65) }
```

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

```
.border{ border-color:rgb(0, 62, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 62, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 62, 65); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 62, 65); box-shadow:4px  
4px 4px 4px rgb(0, 62, 65) }
```


Background

The CSS property to change the background color of an element to XYZ 2.6768, 3.8269, 5.5986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 62, 65) }
```

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

```
.background{ background-color: rgb(0, 62,  
65) }
```

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