

Converting Colors

XYZ(1.8192, 2.8742, 7.5961)

Have a look what the booklet for
XYZ(1.8192, 2.8742, 7.5961)
contains.

XYZ(2.7893, 3.3784, 7.7128)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

XYZ(2.7893, 3.3784, 7.7128)

Conversions

Conversions Part 1

Format	Color
Hex	00384E
RGB	0, 56, 78
RGB Percent	0%, 22%, 31%
CMY	1.0000, 0.7804, 0.6941
CMYK	1.00, 0.28, 0.00, 0.69
HSL	197°, 100%, 15%
HSV	197°, 100%, 31%
XYZ	2.7893, 3.3784, 7.7128
YIQ	41.7640, -40.4380, -5.0300

Conversions

Conversions Part 2

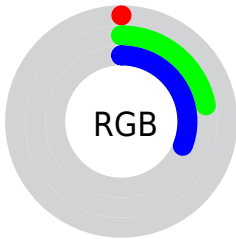
Format	Color
RYB	0, 33, 78
Decimal	14414
CIELab	21.50, -7.41, -18.10
CIELCh	21, 19.557, 247.729
Yxy	3.3784, 0.2010, 0.2434
Android (android.graphics.Color)	4278204494 (0xFF00384E)
YUV	41.7640, 17.8643, -36.6270
Hunter-Lab	18.3804, -5.0777, -12.0130

Details

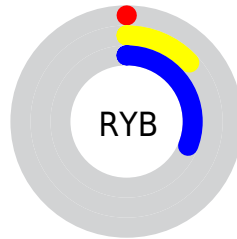
The XYZ color **2.7893, 3.3784, 7.7128** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3.4289, 2.1937, 0.2428**, and the grayscale version is **2.1652, 2.2780, 2.4807**.

A 20% lighter version of the original color is **10.5445, 12.1935, 21.8765**, and **0.4202, 0.3784, 1.5643** is the 20% darker color. If you saturate the color by 10%, you get **2.7893, 3.3784, 7.7129**, and if you desaturate by 10%, it is **2.9960, 3.6468, 7.7538**.

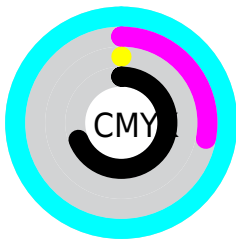
Distribution



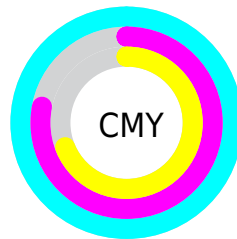
- Red (0%)
- Green (22%)
- Blue (31%)



- Red (0%)
- Yellow (13%)
- Blue (31%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (69%)



- Cyan (100%)
- Magenta (78%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 2.7893, 3.3784, 7.7128 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 2.7893, 3.3784, 7.7128 by changing the saturation by 10% instead.

■ 2.7893, 3.3784,
7.7128

■ 2.7893, 3.3784,
7.7128

■ 121.1719,
132.7865, 183.3114

■ 1.0433, 1.3323,
3.8266

■ 10.5683, 12.1793,
21.9303

■ 0.0000, 0.1660,
1.5307

■ 17.3321, 19.7030,
33.0986

■ 0.0000, 0.0000,
0.2406

■ 26.4992, 29.8213,
47.5314


■ 0.0000, 0.0000,
0.0000


■ 38.4350, 42.9187,
65.6472


■ 53.5048, 59.3795,
87.8646


■ 72.0740, 79.5881,


114.6020


 94.5079, 103.9290,
146.2781


 2.7893, 3.3784,
7.7128


 2.7893, 3.3784,
7.7128


 2.7893, 3.3784,
7.7129

 2.9960, 3.6468,
7.7538

 3.2191, 3.9307,
7.7968

 3.4933, 4.2480,
7.8436

 3.8253, 4.6023,
7.8945

 4.2192, 4.9959,
7.9497

■ 4.6790, 5.4308,
8.0094

■ 5.2080, 5.9089,
8.0738

■ 5.8095, 6.4318,
8.1431

■ 6.4865, 7.0013,
8.2173

Harmonies

Analogous

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



2.3746, 3.3784, 6.1225



2.7893, 3.3784, 7.7128



3.3704, 3.3784, 8.0766

Triad

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



2.7893, 3.3784, 7.7128



4.5100, 3.3784, 3.2476



2.5493, 3.3784, 1.6197

Complementary

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



2.7893, 3.3784, 7.7128



3.4289, 2.1937, 0.2428

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.



3.0568, 3.3784, 1.2632



2.7893, 3.3784, 7.7128



4.2239, 3.3784, 1.9906

Square

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



2.7893, 3.3784, 7.7128



4.4149, 3.3784, 5.0941



3.6733, 3.3784, 1.3735



2.2487, 3.3784, 2.5529

Rectangle

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



2.7893, 3.3784, 7.7128



3.7845, 3.3784, 7.4948



3.6733, 3.3784, 1.3735



2.6987, 3.3784, 1.4443

Sweetspot

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



2.7894, 3.3785, 7.7129



8.9731, 10.2077, 14.0677



2.8580, 5.5023, 1.6113



2.1833, 2.4965, 3.4988



42.5813, 44.7988, 48.7859



3.1466, 3.3105, 3.6051

Same Dimension

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



2.7894, 3.3785, 7.7129



4.7960, 5.7547, 13.4284



1.5948, 0.9893, 7.3147



1.6946, 1.8227, 2.1174



27.6260, 32.5116, 79.3146

Inverse Universe

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



3.8558, 1.9053, 3.9060



6.6897, 3.3089, 6.6295



4.7474, 4.8307, 0.6823



1.7295, 1.7200, 2.0052



39.2433, 19.4485, 37.1720

Previews

White Background



This preview shows how the XYZ color 2.7893, 3.3784, 7.7128 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



This preview shows how the XYZ color 2.7893, 3.3784, 7.7128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

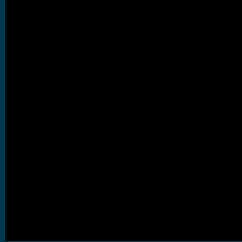
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 2.7893, 3.3784, 7.7128

Background



This preview shows how black text looks on a background with the XYZ color 2.7893, 3.3784, 7.7128.



This preview shows how white text looks on a background with the XYZ color 2.7893, 3.3784, 7.7128.

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

2.7893, 3.3784, 7.7128

Protanopia

3.5020, 3.4200, 6.9541

Deuteranopia

3.4760, 3.4518, 7.8802



Tritanopia

2.3826, 3.3739, 5.0831

Trichromacy



Original Color

2.7893, 3.3784, 7.7128

Protanomaly

3.0498, 3.3154, 7.1358

Deuteranomaly

3.0853, 3.3174, 7.8748

Tritanomaly

2.5065, 3.3436, 5.9821

Monochromacy



Original Color

2.7893, 3.3784, 7.7128

Achromatopsia

2.2007, 2.3153, 2.5214

Achromatomaly

2.1581, 2.5419, 3.9913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 2.7893, 3.3784, 7.7128 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, 56, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 56, 78)  
}
```

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, 56, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 56, 78) }
```

Border

The CSS property to change the border of an element to XYZ 2.7893, 3.3784, 7.7128 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, 56, 78) }
```

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

```
.border{ border-color:rgb(0, 56, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 56, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 56, 78); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 56, 78); box-shadow:4px  
4px 4px 4px rgb(0, 56, 78) }
```

Background

The CSS property to change the background color of an element to XYZ 2.7893, 3.3784, 7.7128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 56, 78) }
```

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

```
.background{ background-color: rgb(0, 56,  
78) }
```

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