

Converting Colors

XYZ(6.8042, 10.8520, 4.3614)

Have a look what the booklet for
XYZ(6.8042, 10.8520, 4.3614)
contains.

XYZ(6.7588, 10.7760, 4.3085)	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(6.7588, 10.7760,
4.3085)**

Conversions

Conversions Part 1

Format	Color
Hex	32682E
RGB	50, 104, 46
RGB Percent	20%, 41%, 18%
CMY	0.8039, 0.5921, 0.8196
CMYK	0.52, 0.00, 0.56, 0.59
HSL	116°, 39%, 29%
HSV	116°, 56%, 41%
XYZ	6.7588, 10.7760, 4.3085
YIQ	81.2420, -13.5660, -29.4860

Conversions

Conversions Part 2

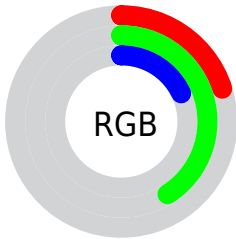
Format	Color
R_{YB}	46, 104, 100
Decimal	3303470
CIE Lab	39.20, -30.79, 27.02
CIE LCh	39, 40.962, 138.727
Yxy	10.7760, 0.3094, 0.4933
Android (android.graphics.Color)	4281493550 (0xFF32682E)
YUV	81.2420, -17.3743, -27.3992
Hunter-Lab	32.8268, -20.6951, 15.1970

Details

The XYZ color **6.7588, 10.7760, 4.3085** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.7319, 5.6632, 13.7302**, and the grayscale version is **7.9044, 8.3161, 9.0562**.

A 20% lighter version of the original color is **19.2311, 27.3339, 14.6183**, and **1.4142, 2.8283, 0.4714** is the 20% darker color. If you saturate the color by 10%, you get **6.1503, 10.4835, 3.3367**, and if you desaturate by 10%, it is **7.5186, 11.1414, 5.5473**.

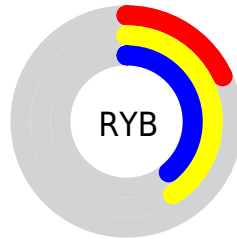
Distribution



Red (20%)

Green (41%)

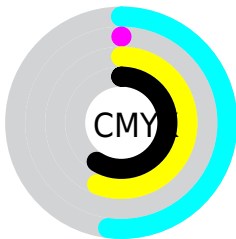
Blue (18%)



Red (18%)

Yellow (41%)

Blue (39%)

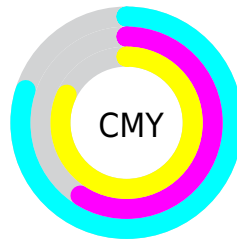


Cyan (52%)

Magenta (0%)

Yellow (56%)

Black (59%)



Cyan (80%)

Magenta (59%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.7588, 10.7760, 4.3085 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 6.7588, 10.7760, 4.3085 by changing the saturation by 10% instead.

■ 6.7588, 10.7760,
4.3085

■ 6.7588, 10.7760,
4.3085

160.2330,
196.1243, 151.5950

■ 3.3567, 5.9164,
1.7961

■ 19.1959, 27.2452,
14.7152

■ 1.3451, 2.7943,
0.4254

■ 28.9615, 39.6236,
23.4466

■ 0.2166, 1.0253,
0.0000

■ 41.5791, 55.2771,
35.0880

■ 0.0000, 0.0000,
0.0000

■ 57.4140, 74.5900,
50.0581

■ 76.8314, 97.9468,
68.7752

■ 100.1968,

125.7319, 91.6581

127.8756,
158.3295, 119.1252

■ 6.7588, 10.7760,
4.3085

■ 6.7588, 10.7760,
4.3085

■ 6.1503, 10.4835,
3.3367

■ 7.5186, 11.1414,
5.5473

■ 5.6823, 10.2578,
2.6116

■ 8.4380, 11.5826,
7.0700

■ 5.3435, 10.0939,
2.1112

■ 9.5258, 12.1042,
8.8929

■ 5.1162, 9.9837,
1.7838

■ 10.7898, 12.7098,
11.0309

■ 5.0403, 9.9474,
1.6544

■ 12.2373, 13.4029,
13.4980

■ 13.8753, 14.1868,
16.3070

■ 15.7103, 15.0647,
19.4706

■ 17.7486, 16.0394,
23.0003

■ 19.9961, 17.1139,
26.9074

Harmonies

Analogous

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



8.6361, 10.7760, 2.4392



6.7588, 10.7760, 4.3085



5.8811, 10.7760, 9.0139

Triad

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



6.7588, 10.7760, 4.3085



9.2426, 10.7760, 33.7440



16.1132, 10.7760, 7.5105

Complementary

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



6.7588, 10.7760, 4.3085



8.7319, 5.6632, 13.7302

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.



16.3552, 10.7760, 14.9509



6.7588, 10.7760, 4.3085



12.0362, 10.7760, 32.7236

Square

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



6.7588, 10.7760, 4.3085



7.1341, 10.7760, 27.1995



14.7545, 10.7760, 24.8324



14.1430, 10.7760, 3.6331

Rectangle

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



6.7588, 10.7760, 4.3085



5.8529, 10.7760, 14.1852



14.7545, 10.7760, 24.8324



16.4110, 10.7760, 9.5815

Sweetspot

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



6.7591, 10.7765, 4.3087



18.5273, 22.1048, 18.6704



10.6802, 12.0962, 4.3568



4.4429, 5.3560, 4.4241



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



6.7591, 10.7765, 4.3087



10.5081, 18.2559, 5.4123



7.1881, 10.9263, 7.5524



2.8131, 3.1508, 3.0343



6.2013, 12.2556, 2.0387



32.0524, 63.7696, 10.6194

Inverse Universe

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



8.7319, 5.6632, 13.7302



14.3464, 8.2599, 23.8153



8.1281, 5.4741, 8.1857



2.9182, 2.8799, 3.5340



9.1245, 4.3480, 16.5027



47.2888, 22.5225, 86.0563

Previews

White Background



This preview shows how the XYZ color 6.7588, 10.7760, 4.3085 looks on a white background.

Color Contrast Check

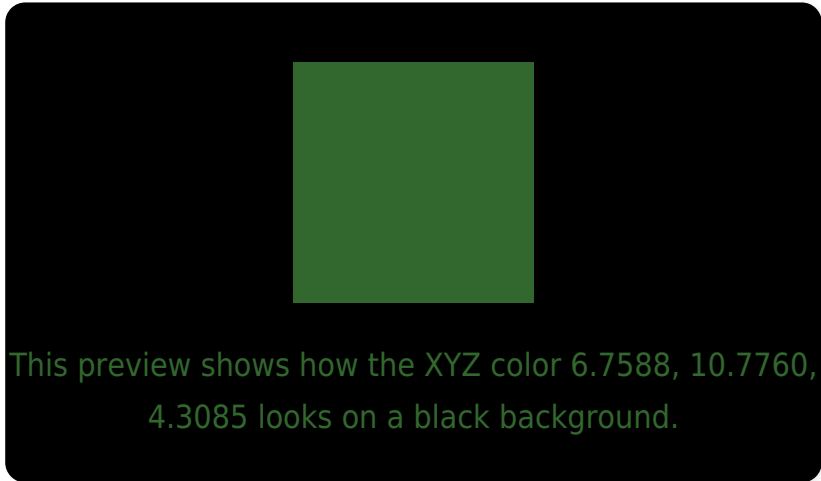
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 6.7588, 10.7760, 4.3085

Background



This preview shows how black text looks on a background with the XYZ color 6.7588, 10.7760, 4.3085.



This preview shows how white text looks on a background with the XYZ color 6.7588, 10.7760,

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

6.7588, 10.7760, 4.3085

Protanopia

9.7246, 10.6462, 3.7329

Deuteranopia

10.7475, 10.6545, 4.5077



Tritanopia

9.0191, 10.8327, 15.2512

Trichromacy



Original Color

6.7588, 10.7760, 4.3085

Protanomaly

8.1862, 10.3792, 3.8574

Deuteranomaly

8.6769, 10.3510, 4.4464

Tritanomaly

7.9023, 10.6540, 10.0274

Monochromacy



Original Color

6.7588, 10.7760, 4.3085

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

7.1416, 8.8642, 6.8034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.7588, 10.7760, 4.3085 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(50, 104, 46)` looks like.

```
.text, #text, p{  
    color:rgb(50, 104, 46)  
}
```

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(50, 104, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 104, 46) }
```

Border

The CSS property to change the border of an element to XYZ 6.7588, 10.7760, 4.3085 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(50, 104, 46) }
```


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

```
.border{ border-color:rgb(50, 104, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 104, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 104, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 104, 46);  
box-shadow:4px 4px 4px 4px rgb(50, 104,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 6.7588, 10.7760, 4.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 104, 46) }
```

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

```
.background{ background-color: rgb(50, 104,  
46) }
```

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