

Converting Colors

XYZ(8.3718, 4.5088, 0.7866)

Have a look what the booklet for
XYZ(8.3718, 4.5088, 0.7866)
contains.

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Color

XYZ(8.3662, 4.5004, 0.7755)

Conversions

Conversions Part 1

Format	Color
Hex	7B0C0C
RGB	123, 12, 12
RGB Percent	48%, 5%, 5%
CMY	0.5176, 0.9529, 0.9529
CMYK	0.00, 0.90, 0.90, 0.52
HSL	0°, 82%, 26%
HSV	0°, 90%, 48%
XYZ	8.3662, 4.5004, 0.7755
YIQ	45.1890, 66.1560, 23.5320

Conversions

Conversions Part 2

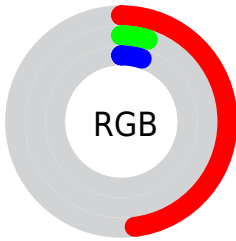
Format	Color
RYB	123, 12, 12
Decimal	8064012
CIELab	25.26, 44.57, 32.46
CIElCh	25, 55.135, 36.069
Yxy	4.5004, 0.6133, 0.3299
Android (android.graphics.Color)	4286254092 (0xFF7B0C0C)
YUV	45.1890, -16.3622, 68.2402
Hunter-Lab	21.2141, 33.2701, 12.6825

Details

The XYZ color **8.3662, 4.5004, 0.7755** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **10.8082, 15.6711, 21.1940**, and the grayscale version is **2.5254, 2.6569, 2.8934**.

A 20% lighter version of the original color is **22.4082, 14.7234, 5.2753**, and **2.1800, 1.1238, 0.1020** is the 20% darker color. If you saturate the color by 10%, you get **8.1685, 4.2112, 0.3823**, and if you desaturate by 10%, it is **8.6694, 4.9442, 1.3780**.

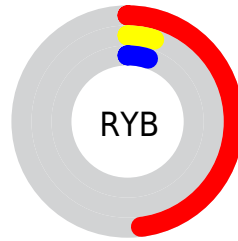
Distribution



Red (48%)

Green (5%)

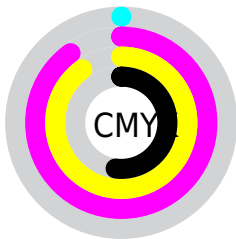
Blue (5%)



Red (48%)

Yellow (5%)

Blue (5%)

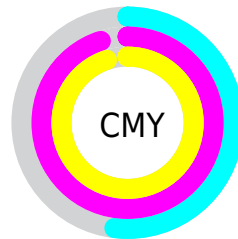


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (52%)



Cyan (52%)


Magenta (95%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.3662, 4.5004, 0.7755 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 8.3662, 4.5004, 0.7755 by changing the saturation by 10% instead.


 8.3662, 4.5004,
0.7755


 8.3662, 4.5004,
0.7755


 172.8859,
144.8889, 99.1457


 4.3839, 1.9572,
0.0000

 22.3519, 14.7293,
5.3298


 1.9215, 0.5824,
0.0000


 33.0860, 23.1838,
10.0557

 0.5893, 0.0000,
0.0000

 46.8014, 34.3776,
16.9762

 0.0000, 0.0000,
0.0000


 63.8635, 48.6950,
26.5097


 84.6377, 66.5204,
39.0749

 109.4892, 88.2383,


55.0903


 138.7835,
114.2330, 74.9743


 8.3662, 4.5004,
0.7755

 8.3662, 4.5004,
0.7755


 8.1685, 4.2112,
0.3823

 8.6694, 4.9442,
1.3780

 9.1454, 5.6409,
2.3242

 9.8150, 6.6207,
3.6552

 10.6957, 7.9095,
5.4060

 11.8034, 9.5302,
7.6078

■ 13.1520, 11.5037,
10.2889

■ 14.7548, 13.8490,
13.4752

■ 16.6238, 16.5838,
17.1908

■ 18.7703, 19.7248,
21.4581

Harmonies

Analogous

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



9.5782, 4.5004, 3.7916



8.3662, 4.5004, 0.7755



6.1026, 4.5004, 0.0000

Triad

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



8.3662, 4.5004, 0.7755



1.5743, 4.5004, 1.5793



4.7120, 4.5004, 27.2040

Complementary

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



8.3662, 4.5004, 0.7755



10.8082, 15.6711, 21.1940

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.



2.8582, 4.5004, 24.4332



8.3662, 4.5004, 0.7755



1.4158, 4.5004, 6.2061

Square

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



8.3662, 4.5004, 0.7755



2.3368, 4.5004, 0.0000



1.8004, 4.5004, 15.1345



7.0732, 4.5004, 21.0834

Rectangle

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



8.3662, 4.5004, 0.7755



4.5561, 4.5004, 0.0000



1.8004, 4.5004, 15.1345



4.0105, 4.5004, 27.3204

Sweetspot

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



8.3663, 4.5007, 0.7756



24.2484, 21.6193, 19.8093



11.8749, 5.9039, 19.2525



5.5360, 4.8357, 4.3177



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



8.3663, 4.5007, 0.7756



14.6277, 7.5411, 0.6846



10.2717, 8.3114, 1.4107



3.9983, 4.0151, 4.1887



8.4503, 4.3565, 0.3955



40.3083, 20.7802, 1.8865

Inverse Universe

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



10.8082, 15.6711, 21.1940



19.0830, 27.9225, 37.9404



5.7637, 5.5822, 19.5125



4.1070, 4.5124, 5.0977



11.0241, 16.1306, 21.9178



52.5855, 76.9436, 104.5498

Previews

White Background



This preview shows how the XYZ color 8.3662, 4.5004, 0.7755 looks on a white background.

Color Contrast Check

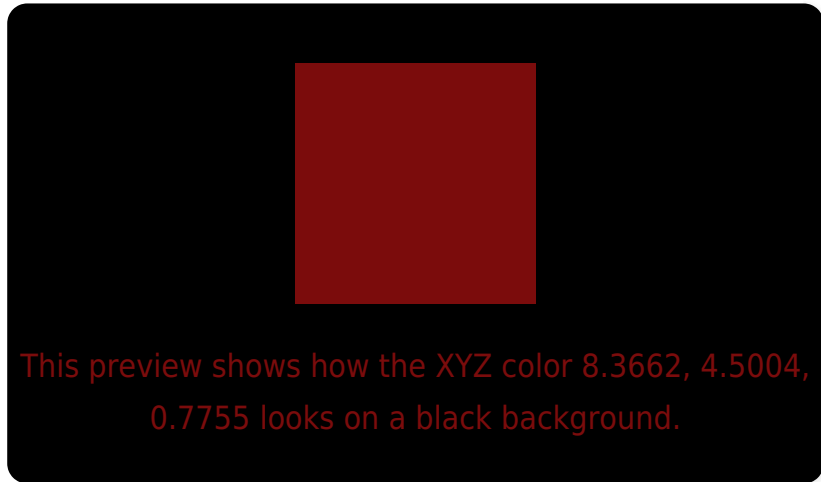
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.3662, 4.5004, 0.7755

Background



This preview shows how black text looks on a background with the XYZ color 8.3662, 4.5004, 0.7755.



This preview shows how white text looks on a background with the XYZ color 8.3662, 4.5004, 0.7755.

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

8.3662, 4.5004, 0.7755

Protanopia

4.4481, 4.9150, 1.4733

Deuteranopia

4.7884, 4.7902, 0.6722



Tritanopia

8.3561, 4.5163, 0.6611

Trichromacy



Original Color

8.3662, 4.5004, 0.7755

Protanomaly

5.1297, 3.9689, 1.0680

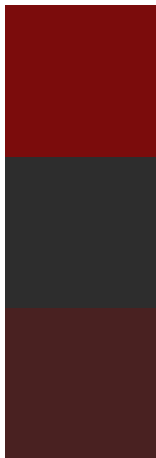
Deuteranomaly

5.5692, 4.0976, 0.6122

Tritanomaly

8.3616, 4.5185, 0.6899

Monochromacy



Original Color

8.3662, 4.5004, 0.7755

Achromatopsia

2.4942, 2.6241, 2.8577

Achromatomaly

3.5660, 2.6140, 1.7554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.3662, 4.5004, 0.7755 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(123, 12, 12)` looks like.

```
.text, #text, p{  
  color:rgb(123, 12, 12)  
}
```

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(123, 12, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 12, 12) }
```

Border

The CSS property to change the border of an element to XYZ 8.3662, 4.5004, 0.7755 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(123, 12, 12) }
```

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

```
.border{ border-color:rgb(123, 12, 12) }
```

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

Here you see how a box with a 4 pixel rgb(123, 12, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 12, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 12, 12);  
box-shadow:4px 4px 4px 4px rgb(123, 12,  
12) }
```


Background

The CSS property to change the background color of an element to XYZ 8.3662, 4.5004, 0.7755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 12, 12) }
```

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

```
.background{ background-color: rgb(123, 12,  
12) }
```

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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