

Converting Colors

XYZ(9.6231, 13.7789, 8.3085)

Have a look what the booklet for
XYZ(9.6231, 13.7789, 8.3085)
contains.

XYZ(9.5709, 13.7315, 8.2769)	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(9.5709, 13.7315,
8.2769)**

Conversions

Conversions Part 1

Format	Color
Hex	447248
RGB	68, 114, 72
RGB Percent	27%, 45%, 28%
CMY	0.7333, 0.5529, 0.7176
CMYK	0.40, 0.00, 0.37, 0.55
HSL	125°, 25%, 36%
HSV	125°, 40%, 45%
XYZ	9.5709, 13.7315, 8.2769
YIQ	95.4580, -13.9340, -22.8140

Conversions

Conversions Part 2

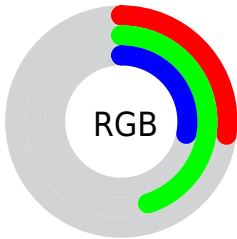
Format	Color
R _{YB}	68, 110, 114
Decimal	4485704
CIE Lab	43.85, -25.34, 18.46
CIE LCh	44, 31.348, 143.925
Yxy	13.7315, 0.3031, 0.4348
Android (android.graphics.Color)	4282675784 (0xFF447248)
YUV	95.4580, -11.5648, -24.0807
Hunter-Lab	37.0560, -18.7448, 12.6961

Details


The XYZ color **9.5709, 13.7315, 8.2769** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.8214, 8.8376, 15.8350**, and the grayscale version is **11.0169, 11.5906, 12.6222**.

A 20% lighter version of the original color is **24.5586, 32.5045, 23.0688**, and **2.3685, 4.0029, 1.7464** is the 20% darker color. If you saturate the color by 10%, you get **8.5406, 13.2367, 6.6038**, and if you desaturate by 10%, it is **10.8141, 14.3302, 10.2607**.

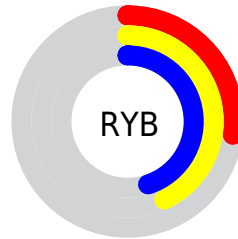
Distribution



 Red (27%)

 Green (45%)

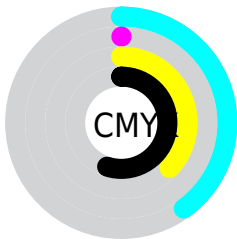
 Blue (28%)




 Red (27%)

 Yellow (43%)

 Blue (45%)

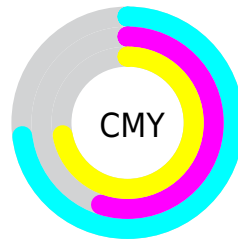


 Cyan (40%)


 Magenta (0%)

 Yellow (37%)

 Black (55%)



 Cyan (73%)

 Magenta (55%)

 Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.5709, 13.7315, 8.2769 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 9.5709, 13.7315, 8.2769 by changing the saturation by 10% instead.

■ 9.5709, 13.7315,
8.2769

■ 9.5709, 13.7315,
8.2769

181.6999,
215.5540, 187.9030

■ 5.1755, 7.9342,
4.1823

■ 24.6423, 32.6119,
23.0546

■ 2.3864, 4.0528,
1.7259

■ 36.0489, 46.4636,
34.5748

■ 0.8383, 1.7032,
0.3784

■ 50.5234, 63.7691,
49.4073

■ 0.0000, 0.4257,
0.0000

■ 68.4310, 84.9125,
67.9706

■ 0.0000, 0.0000,
0.0000

■ 90.1371, 110.2783,
90.6833

116.0070,

140.2509, 117.9639

146.4062,
175.2147, 150.2309

■ 9.5709, 13.7315,
8.2769

■ 9.5709, 13.7315,
8.2769

■ 8.5406, 13.2367,
6.6038

■ 10.8141, 14.3302,
10.2607

■ 7.7102, 12.8383,
5.2249

■ 12.2801, 15.0364,
12.5689

■ 7.0670, 12.5304,
4.1235


■ 13.9795, 15.8556,
15.2155


■ 6.5964, 12.3060,
3.2806

■ 15.9218, 16.7926,
18.2133


■ 6.2815, 12.1567,
2.6753


■ 18.1162, 17.8517,
21.5745

 6.0719, 12.0570,
2.2920

 20.5711, 19.0371,
25.3107

 23.2947, 20.3528,
29.4330

 26.2950, 21.8025,
33.9521

 29.5793, 23.3900,
38.8781

Harmonies

Analogous

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



11.2152, 13.7315, 5.6339



9.5709, 13.7315, 8.2769



8.8686, 13.7315, 13.5550

Triad

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



9.5709, 13.7315, 8.2769



12.5543, 13.7315, 33.0082



17.9018, 13.7315, 10.0777

Complementary

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



9.5709, 13.7315, 8.2769



11.8214, 8.8376, 15.8350

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.



18.3777, 13.7315, 16.4402



9.5709, 13.7315, 8.2769



15.0777, 13.7315, 31.1872

Square

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



9.5709, 13.7315, 8.2769



10.4452, 13.7315, 28.8916



17.2874, 13.7315, 24.4967



16.0585, 13.7315, 6.4203

Rectangle

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



9.5709, 13.7315, 8.2769



8.9563, 13.7315, 18.4764



17.2874, 13.7315, 24.4967



18.2360, 13.7315, 11.9057

Sweetspot

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



9.5713, 13.7321, 8.2772



23.9475, 27.5639, 25.7790



13.5125, 15.7785, 7.8022



5.4733, 6.3433, 5.8609



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



9.5713, 13.7321, 8.2772



15.1919, 23.3482, 11.9064



10.4596, 14.0874, 12.9550



3.3558, 3.7675, 3.6798



6.7556, 13.4197, 2.5336



33.5081, 66.7919, 11.8608

Inverse Universe

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



11.8214, 8.8376, 15.8350



19.7040, 13.5262, 27.0554



10.7341, 8.4027, 10.1089



3.5025, 3.4487, 4.1729



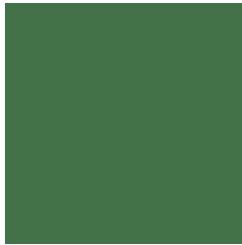
10.5082, 5.0957, 15.0181



52.1862, 25.3198, 73.9699

Previews

White Background



This preview shows how the XYZ color 9.5709, 13.7315, 8.2769 looks on a white background.

Color Contrast Check

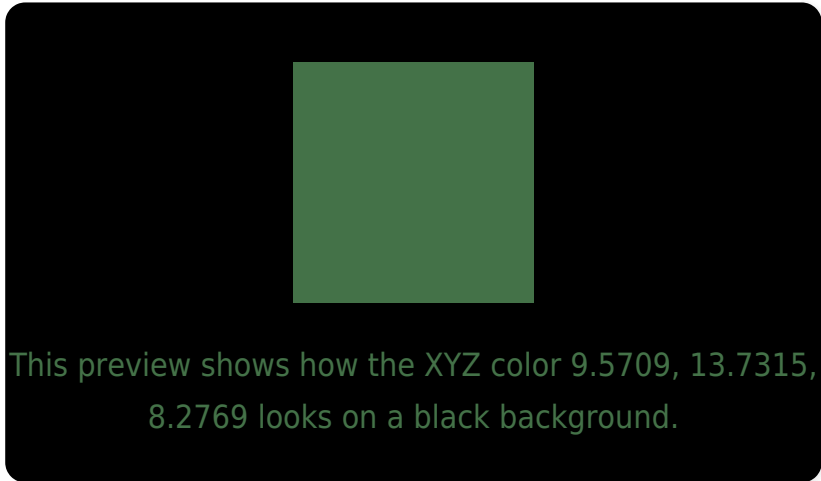
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.5709, 13.7315, 8.2769

Background



This preview shows how black text looks on a background with the XYZ color 9.5709, 13.7315, 8.2769.



This preview shows how white text looks on a background with the XYZ color 9.5709, 13.7315,

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

9.5709, 13.7315, 8.2769

Protanopia

12.5757, 13.5626, 7.4239

Deuteranopia

13.7579, 13.5693, 8.5506



Tritanopia

11.7401, 13.7994, 18.8744

Trichromacy



Original Color

9.5709, 13.7315, 8.2769

Protanomaly

11.1557, 13.4319, 7.6349

Deuteranomaly

11.6658, 13.2198, 8.4154

Tritanomaly

10.8574, 13.7643, 14.3964

Monochromacy



Original Color

9.5709, 13.7315, 8.2769

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.2180, 12.1222, 10.8181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.5709, 13.7315, 8.2769 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(68, 114, 72)` looks like.

```
.text, #text, p{  
    color:rgb(68, 114, 72)  
}
```

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(68, 114, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 114, 72) }
```

Border

The CSS property to change the border of an element to XYZ 9.5709, 13.7315, 8.2769 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(68, 114, 72) }
```


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

```
.border{ border-color:rgb(68, 114, 72) }
```

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

Here you see how a box with a 4 pixel rgb(68, 114, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 114, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 114, 72);  
box-shadow:4px 4px 4px 4px rgb(68, 114,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 9.5709, 13.7315, 8.2769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 114, 72) }
```

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

```
.background{ background-color: rgb(68, 114,  
72) }
```

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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