

Converting Colors

XYZ(9.7862, 13.6303, 2.8345)

Have a look what the booklet for
XYZ(9.7862, 13.6303, 2.8345)
contains.

XYZ(9.7673, 13.6209, 2.8238)	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(9.7673, 13.6209,
2.8238)**

Conversions

Conversions Part 1

Format	Color
Hex	567015
RGB	86, 112, 21
RGB Percent	34%, 44%, 8%
CMY	0.6627, 0.5608, 0.9176
CMYK	0.23, 0.00, 0.81, 0.56
HSL	77°, 68%, 26%
HSV	77°, 81%, 44%
XYZ	9.7673, 13.6209, 2.8238
YIQ	93.8520, 13.7150, -33.8130

Conversions

Conversions Part 2

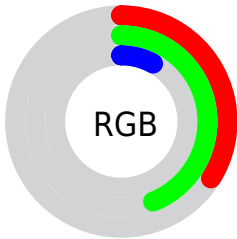
Format	Color
R_{YB}	21, 112, 47
Decimal	5664789
CIE _{Lab}	43.68, -23.06, 43.70
CIE _{LCh}	44, 49.416, 117.820
Yxy	13.6209, 0.3726, 0.5196
Android (android.graphics.Color)	4283854869 (0xFF567015)
YUV	93.8520, -35.9160, -6.8862
Hunter-Lab	36.9065, -17.3464, 21.2981

Details

The XYZ color **9.7673, 13.6209, 2.8238** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.3656, 2.3109, 15.5459**, and the grayscale version is **10.6846, 11.2411, 12.2415**.

A 20% lighter version of the original color is **25.1255, 32.5209, 11.2562**, and **2.5963, 4.0601, 0.6468** is the 20% darker color. If you saturate the color by 10%, you get **9.3978, 13.4403, 2.3805**, and if you desaturate by 10%, it is **10.1971, 13.8281, 3.5128**.

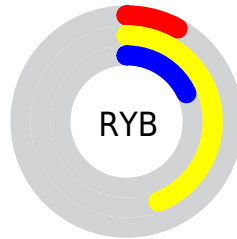
Distribution



Red (34%)

Green (44%)

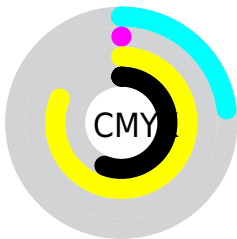
Blue (8%)



Red (8%)

Yellow (44%)

Blue (18%)

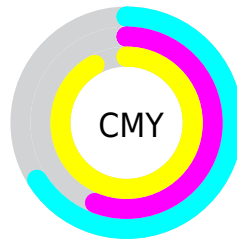


Cyan (23%)

Magenta (0%)

Yellow (81%)

Black (56%)



Cyan (66%)

Magenta (56%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7673, 13.6209, 2.8238 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 9.7673, 13.6209, 2.8238 by changing the saturation by 10% instead.

■ 9.7673, 13.6209,
2.8238

■ 9.7673, 13.6209,
2.8238

183.0916,
214.8595, 134.0838

■ 5.3060, 7.8575,
1.0054

■ 25.0106, 32.4148,
11.1905

■ 2.4645, 4.0039,
0.0000

■ 36.5232, 46.2141,
18.5758

■ 0.8774, 1.6757,
0.0000

■ 51.1171, 63.4609,
28.6539

■ 0.0000, 0.4079,
0.0000


■ 69.1575, 84.5394,
41.8432


■ 0.0000, 0.0000,
0.0000


■ 91.0098, 109.8341,
58.5623


■ 117.0394,


139.7295, 79.2297


 147.6115,
174.6098, 104.2641


 9.7673, 13.6209,
2.8238


 9.7673, 13.6209,
2.8238


 9.3978, 13.4403,
2.3805


 10.1971, 13.8281,
3.5128

 9.1026, 13.2943,
2.0863

 10.6918, 14.0623,
4.4754

 11.2567, 14.3262,
5.7370

 11.8961, 14.6215,
7.3195

 12.6140, 14.9497,
9.2430

■ 13.4140, 15.3125,
11.5259

■ 14.2996, 15.7110,
14.1853

■ 15.2738, 16.1468,
17.2372

■ 16.3398, 16.6208,
20.6966

Harmonies

Analogous

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



13.2321, 13.6209, 2.0870



9.7673, 13.6209, 2.8238



7.6029, 13.6209, 6.1140

Triad

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



9.7673, 13.6209, 2.8238



9.3657, 13.6209, 41.2603



21.9237, 13.6209, 15.6583

Complementary

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



9.7673, 13.6209, 2.8238



4.3656, 2.3109, 15.5459

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.



20.3428, 13.6209, 29.3680



9.7673, 13.6209, 2.8238



12.6646, 13.6209, 48.0653

Square

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



9.7673, 13.6209, 2.8238



7.4056, 13.6209, 27.2041



16.7495, 13.6209, 42.8886



20.7287, 13.6209, 6.9272

Rectangle

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



9.7673, 13.6209, 2.8238



6.9374, 13.6209, 10.7644



16.7495, 13.6209, 42.8886



21.6936, 13.6209, 19.8106

Sweetspot

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



9.7676, 13.6215, 2.8241



23.0721, 26.6765, 18.8183



7.8258, 5.5151, 1.3617



5.4482, 6.3659, 4.2503



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.



9.7676, 13.6215, 2.8241



16.0359, 23.3745, 3.7918



6.8332, 12.1088, 2.6868



3.5535, 3.8707, 3.6332



10.4998, 15.3565, 2.4107



51.4244, 76.0442, 11.9677

Inverse Universe

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



4.3656, 2.3109, 15.5459



6.2520, 2.6997, 27.1214



7.6353, 3.9965, 15.6990



3.2989, 3.3424, 4.2255



4.0489, 1.6967, 17.8357



19.4177, 8.0645, 88.8123

Previews

White Background



This preview shows how the XYZ color 9.7673, 13.6209, 2.8238 looks on a white background.

Color Contrast Check

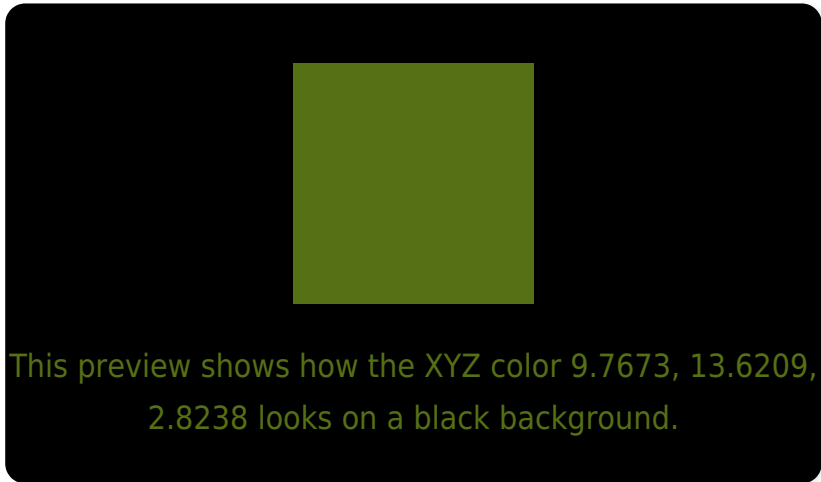
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.7673, 13.6209, 2.8238

Background



This preview shows how black text looks on a background with the XYZ color 9.7673, 13.6209, 2.8238.



This preview shows how white text looks on a background with the XYZ color 9.7673, 13.6209,

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

9.7673, 13.6209, 2.8238

Protanopia

12.1703, 13.4605, 2.5728

Deuteranopia

13.6427, 13.4912, 3.0474



Tritanopia

12.7548, 13.5797, 17.5717

Trichromacy



Original Color

9.7673, 13.6209, 2.8238

Protanomaly

11.1060, 13.3618, 2.6556

Deuteranomaly

11.8468, 13.2858, 2.9173

Tritanomaly

11.1193, 13.3699, 9.5840

Monochromacy



Original Color

9.7673, 13.6209, 2.8238

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.9812, 11.9368, 7.0881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7673, 13.6209, 2.8238 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(86, 112, 21)` looks like.

```
.text, #text, p{  
    color:rgb(86, 112, 21)  
}
```

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(86, 112, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 112, 21) }
```

Border

The CSS property to change the border of an element to XYZ 9.7673, 13.6209, 2.8238 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(86, 112, 21) }
```


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

```
.border{ border-color:rgb(86, 112, 21) }
```

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

Here you see how a box with a 4 pixel rgb(86, 112, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 112, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 112, 21);  
box-shadow:4px 4px 4px 4px rgb(86, 112,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7673, 13.6209, 2.8238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 112, 21) }
```

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

```
.background{ background-color: rgb(86, 112,  
21) }
```

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