

Converting Colors

XYZ(8.7981, 11.8775, 2.1516)

Have a look what the booklet for
XYZ(8.7981, 11.8775, 2.1516)
contains.

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Color

**XYZ(8.7570, 11.8561,
2.1435)**

Conversions

Conversions Part 1

Format	Color
Hex	55680B
RGB	85, 104, 11
RGB Percent	33%, 41%, 4%
CMY	0.6667, 0.5921, 0.9568
CMYK	0.18, 0.00, 0.89, 0.59
HSL	72°, 81%, 23%
HSV	72°, 89%, 41%
XYZ	8.7570, 11.8561, 2.1435
YIQ	87.7170, 18.5290, -32.9510

Conversions

Conversions Part 2

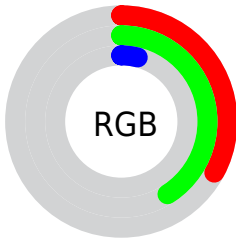
Format	Color
R_{YB}	11, 104, 30
Decimal	5597195
CIE Lab	40.99, -19.80, 44.25
CIE LCh	41, 48.479, 114.112
Yxy	11.8561, 0.3848, 0.5210
Android (android.graphics.Color)	4283787275 (0xFF55680B)
YUV	87.7170, -37.8215, -2.3828
Hunter-Lab	34.4327, -14.8607, 20.4120

Details

The XYZ color **8.7570, 11.8561, 2.1435** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.1542, 1.5151, 13.2237**, and the grayscale version is **9.2914, 9.7753, 10.6453**.

A 20% lighter version of the original color is **23.1567, 29.2276, 9.4220**, and **2.1907, 3.3013, 0.5218** is the 20% darker color. If you saturate the color by 10%, you get **8.5101, 11.7358, 1.8341**, and if you desaturate by 10%, it is **9.0319, 11.9891, 2.5674**.

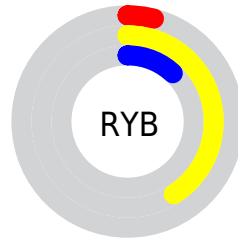
Distribution



Red (33%)

Green (41%)

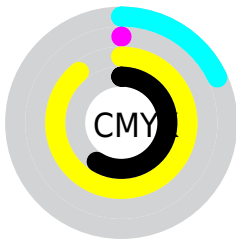
Blue (4%)



Red (4%)

Yellow (41%)

Blue (12%)

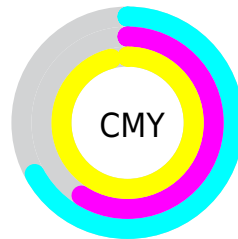


Cyan (18%)

Magenta (0%)

Yellow (89%)

Black (59%)



Cyan (67%)

Magenta (59%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.7570, 11.8561, 2.1435 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 8.7570, 11.8561, 2.1435 by changing the saturation by 10% instead.

8.7570, 11.8561,
2.1435

8.7570, 11.8561,
2.1435

175.8003,
203.4503, 124.5667

4.6389, 6.6458,
0.6415

23.1011, 29.2327,
9.4295

2.0695, 3.2416,
0.0000

34.0578, 42.1679,
16.0853

0.6726, 1.2591,
0.0000

48.0248, 58.4467,
25.3076

0.0000, 0.1092,
0.0000


65.3673, 78.4536,
37.5151


0.0000, 0.0000,
0.0000


86.4508, 102.5730,
53.1262


111.6405,


131.1894, 72.5594


 141.3019,
164.6870, 96.2334


 8.7570, 11.8561,
2.1435


 8.7570, 11.8561,
2.1435


 8.5101, 11.7358,
1.8341


 9.0319, 11.9891,
2.5674

 8.4959, 11.7289,
1.8161

 9.3525, 12.1407,
3.2031

 9.7236, 12.3131,
4.0740

 10.1492, 12.5080,
5.2002

 10.6325, 12.7267,
6.5996

■ 11.1769, 12.9705,
8.2887

■ 11.7851, 13.2405,
10.2824

■ 12.4599, 13.5379,
12.5948

■ 13.2039, 13.8637,
15.2390

Harmonies

Analogous

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



11.9673, 11.8561, 1.7043



8.7570, 11.8561, 2.1435



6.6815, 11.8561, 4.6351

Triad

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



8.7570, 11.8561, 2.1435



7.7926, 11.8561, 35.4038



19.2942, 11.8561, 14.9706

Complementary

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



8.7570, 11.8561, 2.1435



3.1542, 1.5151, 13.2237

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.



17.5849, 11.8561, 27.6635



8.7570, 11.8561, 2.1435



10.5981, 11.8561, 42.7731

Square

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



8.7570, 11.8561, 2.1435



6.2100, 11.8561, 22.3948



14.2203, 11.8561, 39.3853



18.5220, 11.8561, 6.5708

Rectangle

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



8.7570, 11.8561, 2.1435



5.9926, 11.8561, 8.3528



14.2203, 11.8561, 39.3853



18.9815, 11.8561, 18.8791

Sweetspot

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



8.7573, 11.8566, 2.1437



19.7768, 22.8296, 15.0834



6.2240, 3.8760, 0.7369



4.7654, 5.5433, 3.4889



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.



8.7573, 11.8566, 2.1437



14.8126, 20.5288, 3.1817



5.8441, 10.3548, 2.0074



2.9883, 3.2412, 3.0426



10.4464, 14.4440, 2.2374



53.7546, 74.9575, 11.6351

Inverse Universe

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



3.1542, 1.5151, 13.2237



4.8522, 1.9950, 23.1064



5.6073, 2.7797, 13.3385



2.7403, 2.7882, 3.5257



3.4439, 1.4196, 16.2368



17.3556, 7.0914, 84.6554

Previews

White Background



This preview shows how the XYZ color 8.7570, 11.8561, 2.1435 looks on a white background.

Color Contrast Check

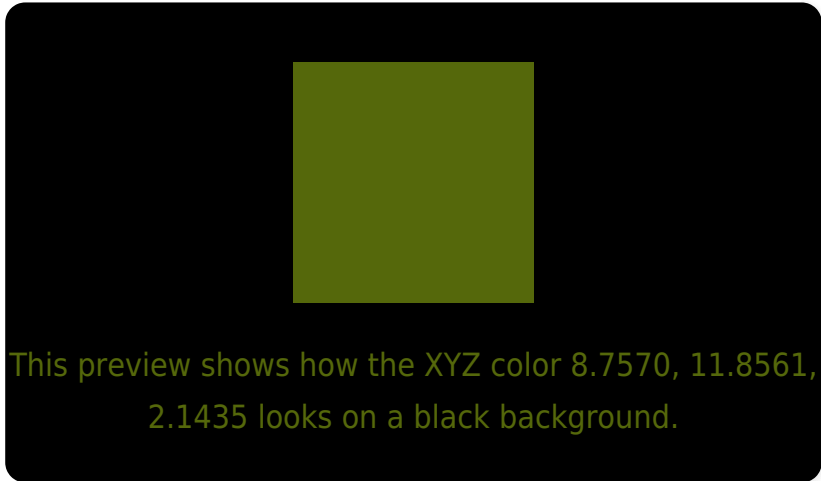
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.7570, 11.8561, 2.1435

Background



This preview shows how black text looks on a background with the XYZ color 8.7570, 11.8561, 2.1435.



This preview shows how white text looks on a background with the XYZ color 8.7570, 11.8561,

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

8.7570, 11.8561, 2.1435

Protanopia

10.6252, 11.8181, 1.9508

Deuteranopia

11.9885, 11.8460, 2.3641



Tritanopia

11.2876, 11.8760, 14.7941

Trichromacy



Original Color

8.7570, 11.8561, 2.1435

Protanomaly

9.8620, 11.8434, 2.0247

Deuteranomaly

10.5907, 11.6574, 2.2222

Tritanomaly

9.8791, 11.7302, 7.5378

Monochromacy



Original Color

8.7570, 11.8561, 2.1435

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.7488, 10.3579, 5.8131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7570, 11.8561, 2.1435 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(85, 104, 11)` looks like.

```
.text, #text, p{  
    color:rgb(85, 104, 11)  
}
```

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(85, 104, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 104, 11) }
```

Border

The CSS property to change the border of an element to XYZ 8.7570, 11.8561, 2.1435 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(85, 104, 11) }
```


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

```
.border{ border-color:rgb(85, 104, 11) }
```

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

Here you see how a box with a 4 pixel rgb(85, 104, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 104, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 104, 11);  
box-shadow:4px 4px 4px 4px rgb(85, 104,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 8.7570, 11.8561, 2.1435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 104, 11) }
```

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

```
.background{ background-color: rgb(85, 104,  
11) }
```

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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