

Converting Colors

XYZ(9.7550, 13.7710, 1.6752)

Have a look what the booklet for
XYZ(9.7550, 13.7710, 1.6752)
contains.

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Color

**XYZ(9.8356, 13.8365,
2.1523)**

Conversions

Conversions Part 1

Format	Color
Hex	577100
RGB	87, 113, 0
RGB Percent	34%, 44%, 0%
CMY	0.6588, 0.5569, 1.0000
CMYK	0.23, 0.00, 1.00, 0.56
HSL	74°, 100%, 22%
HSV	74°, 100%, 44%
XYZ	9.8356, 13.8365, 2.1523
YIQ	92.3440, 20.7770, -40.6550

Conversions

Conversions Part 2

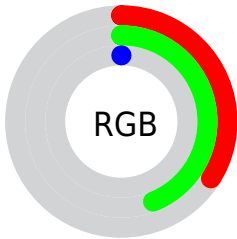
Format	Color
RYB	0, 113, 26
Decimal	5730560
CIELab	44.00, -23.87, 49.37
CIELCh	44, 54.834, 115.803
Yxy	13.8365, 0.3809, 0.5358
Android (android.graphics.Color)	4283920640 (0xFF577100)
YUV	92.3440, -45.5256, -4.6867
Hunter-Lab	37.1974, -17.8973, 22.6076

Details

The XYZ color **9.8356, 13.8365, 2.1523** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.4071, 1.4122, 15.7166**, and the grayscale version is **10.3513, 10.8903, 11.8596**.

A 20% lighter version of the original color is **25.1127, 32.8226, 9.4267**, and **2.6179, 4.1557, 0.6641** is the 20% darker color. If you saturate the color by 10%, you get **9.8358, 13.8370, 2.1524**, and if you desaturate by 10%, it is **10.1453, 13.9894, 2.4915**.

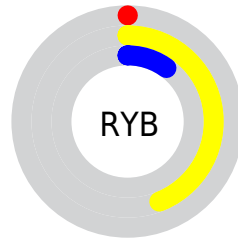
Distribution



Red (34%)

Green (44%)

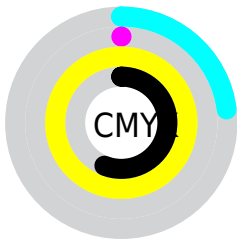
Blue (0%)



Red (0%)

Yellow (44%)

Blue (10%)

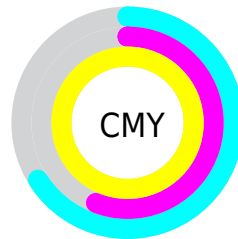


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (66%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8356, 13.8365, 2.1523 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 9.8356, 13.8365, 2.1523 by changing the saturation by 10% instead.

■ 9.8356, 13.8365,
2.1523

■ 9.8356, 13.8365,
2.1523

183.5729,
216.2113, 124.6986

■ 5.3515, 8.0070,
0.6466

■ 25.1383, 32.7986,
9.4531

■ 2.4918, 4.0995,
0.0000

■ 36.6877, 46.7001,
16.1190

■ 0.8911, 1.7293,
0.0000

■ 51.3228, 64.0610,
25.3532

■ 0.0000, 0.4426,
0.0000

■ 69.4091, 85.2658,
37.5744


■ 0.0000, 0.0000,
0.0000


■ 91.3119, 110.6988,
53.2009


■ 117.3966,


140.7445, 72.6514


 148.0284,
175.7872, 96.3445


 9.8356, 13.8365,
2.1523


 9.8356, 13.8365,
2.1523


 9.8358, 13.8370,
2.1524

 10.1453, 13.9894,
2.4915

 10.4899, 14.1568,
2.9698

 10.8915, 14.3481,
3.7017

 11.3557, 14.5654,
4.7165

 11.8875, 14.8108,
6.0390

■ 12.4910, 15.0860,
7.6916

■ 13.1702, 15.3925,
9.6947

■ 13.9288, 15.7319,
12.0666

■ 14.7700, 16.1054,
14.8249

Harmonies

Analogous

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



13.7730, 13.8365, 1.5775



9.8356, 13.8365, 2.1523



7.3745, 13.8365, 5.2134

Triad

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



9.8356, 13.8365, 2.1523



8.9875, 13.8365, 44.8395



23.3829, 13.8365, 16.8880

Complementary

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



9.8356, 13.8365, 2.1523



3.4071, 1.4122, 15.7166

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.



21.3548, 13.8365, 32.9414



9.8356, 13.8365, 2.1523



12.5484, 13.8365, 53.8175

Square

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



9.8356, 13.8365, 2.1523



6.9659, 13.8365, 28.0853



17.1389, 13.8365, 48.5664



22.2118, 13.8365, 6.8583

Rectangle

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



9.8356, 13.8365, 2.1523



6.5940, 13.8365, 9.9204



17.1389, 13.8365, 48.5664



23.0425, 13.8365, 21.7386

Sweetspot

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



9.8359, 13.8371, 2.1526



23.4790, 27.5152, 17.0454



7.1472, 4.1845, 0.4312



5.3368, 6.3214, 3.6630



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.



9.8359, 13.8371, 2.1526



17.4961, 24.7168, 3.8487



6.5018, 12.1183, 1.9966



3.5705, 3.8794, 3.6340



11.1391, 15.6861, 2.4406



54.7104, 77.7383, 12.1214

Inverse Universe

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



3.4071, 1.4122, 15.7166



5.9982, 2.4756, 28.1372



6.3731, 2.9412, 15.8554



3.2828, 3.3341, 4.2247



3.8486, 1.5934, 17.8263



18.5254, 7.6046, 88.7706

Previews

White Background



This preview shows how the XYZ color 9.8356, 13.8365, 2.1523 looks on a white background.

Color Contrast Check

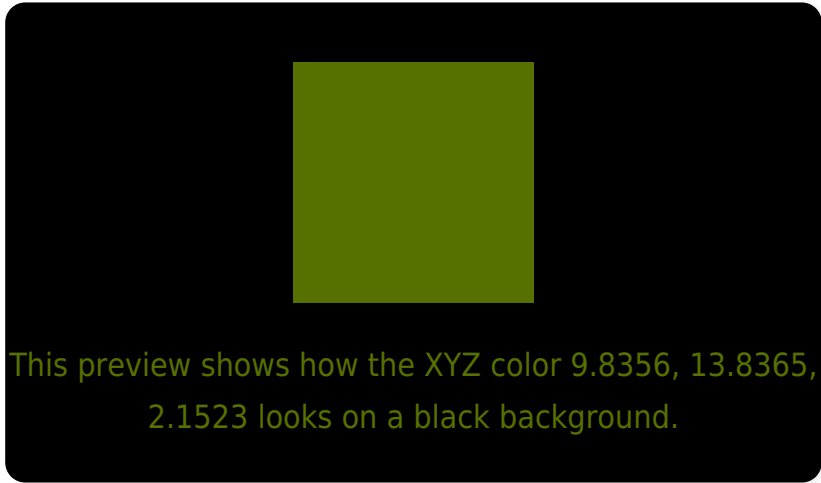
Large Text (above 18pt) WCAG AA ✓ Pass

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

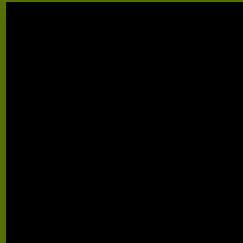
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.8356, 13.8365, 2.1523

Background



This preview shows how black text looks on a background with the XYZ color 9.8356, 13.8365, 2.1523.



This preview shows how white text looks on a background with the XYZ color 9.8356, 13.8365,

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

9.8356, 13.8365, 2.1523

Protanopia

12.2864, 13.6825, 1.9934

Deuteranopia

13.9573, 13.8031, 2.6381



Tritanopia

12.9620, 13.8368, 17.6104

Trichromacy



Original Color

9.8356, 13.8365, 2.1523

Protanomaly

11.2016, 13.5796, 2.0307

Deuteranomaly

12.0932, 13.5745, 2.3635

Tritanomaly

11.0465, 13.5202, 8.1583

Monochromacy



Original Color

9.8356, 13.8365, 2.1523

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.5630, 11.6038, 5.8734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8356, 13.8365, 2.1523 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(87, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(87, 113, 0)  
}
```

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(87, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 113, 0) }
```

Border

The CSS property to change the border of an element to XYZ 9.8356, 13.8365, 2.1523 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(87, 113, 0) }
```


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

```
.border{ border-color:rgb(87, 113, 0) }
```

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

Here you see how a box with a 4 pixel rgb(87, 113, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(87, 113, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.8356, 13.8365, 2.1523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 113, 0) }
```

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

```
.background{ background-color: rgb(87, 113,  
0) }
```

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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