

Converting Colors

XYZ(5.6489, 10.1070, 2.1315)

Have a look what the booklet for
XYZ(5.6489, 10.1070, 2.1315)
contains.

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Color

**XYZ(5.6369, 10.0952,
2.1417)**

Conversions

Conversions Part 1

Format	Color
Hex	236710
RGB	35, 103, 16
RGB Percent	14%, 40%, 6%
CMY	0.8627, 0.5961, 0.9372
CMYK	0.66, 0.00, 0.84, 0.60
HSL	107°, 73%, 23%
HSV	107°, 84%, 40%
XYZ	5.6369, 10.0952, 2.1417
YIQ	72.7500, -12.6010, -41.4730

Conversions

Conversions Part 2

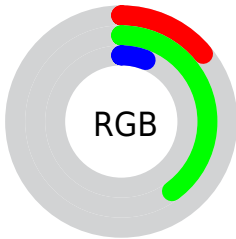
Format	Color
RYB	16, 103, 84
Decimal	2320144
CIELab	38.01, -37.83, 39.14
CIELCh	38, 54.430, 134.025
Yxy	10.0952, 0.3154, 0.5648
Android (android.graphics.Color)	4280510224 (0xFF236710)
YUV	72.7500, -27.9778, -33.1067
Hunter-Lab	31.7729, -23.9346, 18.2445

Details

The XYZ color **5.6369, 10.0952, 2.1417** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **6.2903, 3.2351, 13.1254**, and the grayscale version is **6.3383, 6.6684, 7.2619**.

A 20% lighter version of the original color is **16.9509, 26.0216, 9.4395**, and **1.3662, 2.7324, 0.4554** is the 20% darker color. If you saturate the color by 10%, you get **5.3323, 9.9457, 1.8025**, and if you desaturate by 10%, it is **6.0387, 10.2915, 2.6634**.

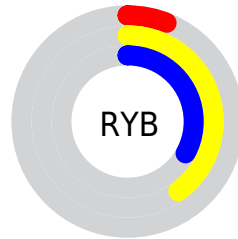
Distribution



Red (14%)

Green (40%)

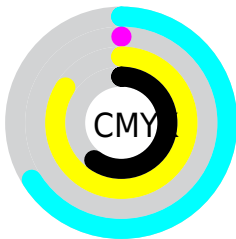
Blue (6%)



Red (6%)

Yellow (40%)

Blue (33%)

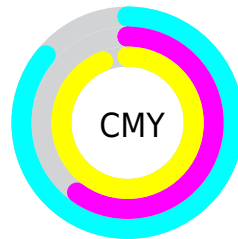


Cyan (66%)

Magenta (0%)

Yellow (84%)

Black (60%)



Cyan (86%)


Magenta (60%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 5.6369, 10.0952, 2.1417 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 5.6369, 10.0952, 2.1417 by changing the saturation by 10% instead.


 5.6369, 10.0952,
2.1417


 5.6369, 10.0952,
2.1417


150.6084,
191.3502, 124.5397


 2.6641, 5.4621,
0.6404

 16.9061, 25.9744,
9.4247


 0.9787, 2.5209,
0.0000


 25.9332, 37.9893,
16.0784

 0.0000, 0.8871,
0.0000

 37.7091, 53.2337,
25.2983


 0.0000, 0.0000,
0.0000


 52.5992, 72.0918,
37.5030


 70.9688, 94.9481,
53.1109


 93.1833, 122.1870,


72.5406


 119.6081,
154.1929, 96.2107


 5.6369, 10.0952,
2.1417


 5.6369, 10.0952,
2.1417


 5.3323, 9.9457,
1.8025


 6.0387, 10.2915,
2.6634

 5.1922, 9.8771,
1.6328

 6.5486, 10.5384,
3.4069

 7.1744, 10.8399,
4.3934

 7.9229, 11.1989,
5.6418

 8.8005, 11.6184,
7.1688

■ 9.8131, 12.1011,
8.9898

■ 10.9661, 12.6496,
11.1191

■ 12.2647, 13.2662,
13.5702

■ 13.7139, 13.9531,
16.3556

Harmonies

Analogous

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



8.0549, 10.0952, 0.8901



5.6369, 10.0952, 2.1417



4.4705, 10.0952, 6.4949

Triad

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



5.6369, 10.0952, 2.1417



7.8596, 10.0952, 41.8836



17.7174, 10.0952, 6.9515

Complementary

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



5.6369, 10.0952, 2.1417



6.2903, 3.2351, 13.1254

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.



17.6283, 10.0952, 17.1956



5.6369, 10.0952, 2.1417



11.3203, 10.0952, 42.2992

Square

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



5.6369, 10.0952, 2.1417



5.5240, 10.0952, 30.5643



15.0733, 10.0952, 31.4909



15.2933, 10.0952, 2.3014

Rectangle

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



5.6369, 10.0952, 2.1417



4.3258, 10.0952, 12.4010



15.0733, 10.0952, 31.4909



17.9958, 10.0952, 9.6939

Sweetspot

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



5.6371, 10.0956, 2.1419



17.3264, 21.5513, 15.6519



8.7578, 9.0622, 1.7780



4.1092, 5.2017, 3.6049



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.



5.6371, 10.0956, 2.1419



9.2061, 17.6385, 2.9194



5.4338, 9.9589, 3.5731



2.8479, 3.1688, 3.0360



6.5045, 12.4119, 2.0529



33.2893, 64.4072, 10.6773

Inverse Universe

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



6.2903, 3.2351, 13.1254



10.2849, 4.7957, 23.3607



7.2198, 3.8307, 7.9101



2.8804, 2.8604, 3.5323



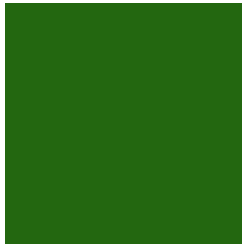
7.2669, 3.3904, 16.4157



37.1391, 17.2901, 85.5813

Previews

White Background



This preview shows how the XYZ color 5.6369, 10.0952, 2.1417 looks on a white background.

Color Contrast Check

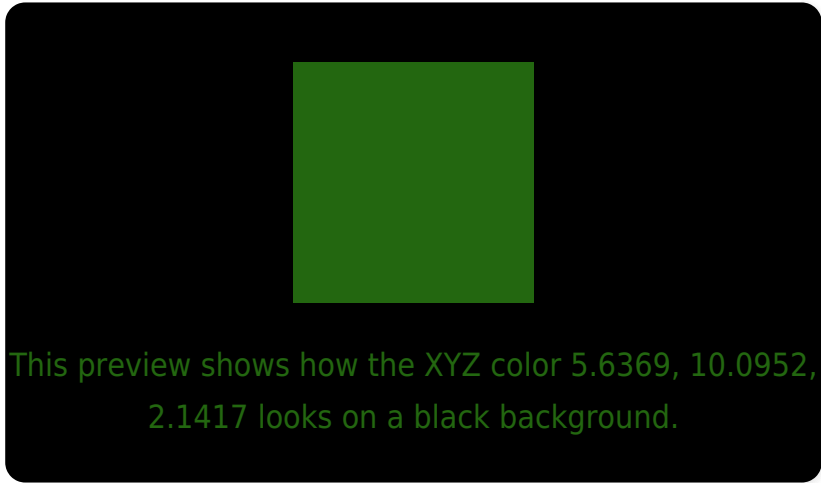
Large Text (above 18pt) WCAG AA ✓ Pass

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

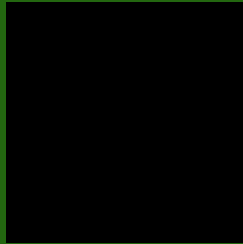
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 5.6369, 10.0952, 2.1417

Background



This preview shows how black text looks on a background with the XYZ color 5.6369, 10.0952, 2.1417.



This preview shows how white text looks on a background with the XYZ color 5.6369, 10.0952,

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

5.6369, 10.0952, 2.1417

Protanopia

9.0056, 9.9380, 1.7914

Deuteranopia

10.1170, 10.0163, 2.3774



Tritanopia

8.2029, 10.1495, 14.6234

Trichromacy



Original Color

5.6369, 10.0952, 2.1417

Protanomaly

7.1359, 9.6122, 1.8600

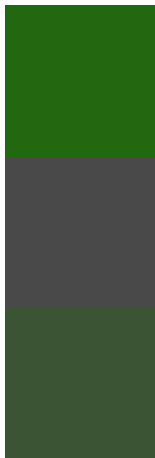
Deuteranomaly

7.6281, 9.5970, 2.2094

Tritanomaly

6.8038, 9.9959, 7.7017

Monochromacy



Original Color

5.6369, 10.0952, 2.1417

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

5.5938, 7.5184, 4.4052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 5.6369, 10.0952, 2.1417 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(35, 103, 16)` looks like.

```
.text, #text, p{  
    color:rgb(35, 103, 16)  
}
```

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(35, 103, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 103, 16) }
```

Border

The CSS property to change the border of an element to XYZ 5.6369, 10.0952, 2.1417 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(35, 103, 16) }
```


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

```
.border{ border-color:rgb(35, 103, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 103, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 103, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 103, 16);  
box-shadow:4px 4px 4px 4px rgb(35, 103,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 5.6369, 10.0952, 2.1417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 103, 16) }
```

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

```
.background{ background-color: rgb(35, 103,  
16) }
```

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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