

Converting Colors

XYZ(9.8583, 14.8044, 0.0000)

Have a look what the booklet for
XYZ(9.8583, 14.8044, 0.0000)
contains.

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Color

**XYZ(10.2247, 14.8882,
2.3348)**

Conversions

Conversions Part 1

Format	Color
Hex	557600
RGB	85, 118, 0
RGB Percent	33%, 46%, 0%
CMY	0.6667, 0.5372, 1.0000
CMYK	0.28, 0.00, 1.00, 0.54
HSL	77°, 100%, 23%
HSV	77°, 100%, 46%
XYZ	10.2247, 14.8882, 2.3348
YIQ	94.6810, 18.2100, -43.6940

Conversions

Conversions Part 2

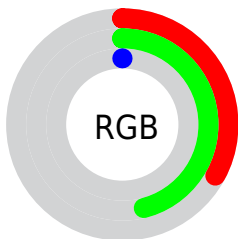
Format	Color
RYB	0, 118, 33
Decimal	5600768
CIELab	45.48, -27.21, 50.44
CIElCh	45, 57.307, 118.342
Yxy	14.8882, 0.3725, 0.5424
Android (android.graphics.Color)	4283790848 (0xFF557600)
YUV	94.6810, -46.6777, -8.4902
Hunter-Lab	38.5852, -20.2234, 23.4220

Details

The XYZ color **10.2247, 14.8882, 2.3348** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.8978, 1.6317, 17.2500**, and the grayscale version is **10.9064, 11.4744, 12.4956**.

A 20% lighter version of the original color is **25.7255, 34.5005, 9.8608**, and **2.7553, 4.5796, 0.7387** is the 20% darker color. If you saturate the color by 10%, you get **10.2248, 14.8888, 2.3349**, and if you desaturate by 10%, it is **10.5969, 15.0730, 2.6925**.

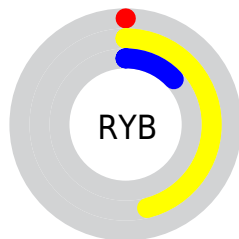
Distribution



Red (33%)

Green (46%)

Blue (0%)



Red (0%)

Yellow (46%)

Blue (13%)

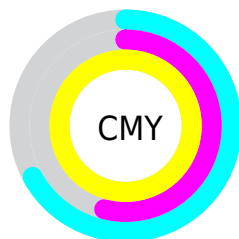


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (67%)

Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2247, 14.8882, 2.3348 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 10.2247, 14.8882, 2.3348 by changing the saturation by 10% instead.

■ 10.2247, 14.8882,
2.3348

■ 10.2247, 14.8882,
2.3348

186.2887,
222.6885, 127.3763

■ 5.6116, 8.7410,
0.7506

■ 25.8631, 34.6569,
9.9374

■ 2.6488, 4.5726,
0.0000

■ 37.6192, 49.0472,
16.8083

■ 0.9709, 1.9988,
0.0000

■ 52.4870, 66.9540,
26.2837

■ 0.0000, 0.6067,
0.0000


■ 70.8318, 88.7616,
38.7821


■ 0.0000, 0.0000,
0.0000


■ 93.0190, 114.8544,
54.7220


■ 119.4140,


145.6170, 74.5219


 150.3821,
181.4335, 98.6005


 10.2247, 14.8882,
2.3348


 10.2247, 14.8882,
2.3348


 10.2248, 14.8888,
2.3349

 10.5969, 15.0730,
2.6925

 11.0134, 15.2767,
3.2111

 11.4973, 15.5090,
4.0096

 12.0549, 15.7724,
5.1204

 12.6916, 16.0692,
6.5716

■ 13.4125, 16.4014,
8.3880

■ 14.2220, 16.7707,
10.5922

■ 15.1241, 17.1789,
13.2050

■ 16.1227, 17.6274,
16.2456

Harmonies

Analogous

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



14.4181, 14.8882, 1.5738



10.2247, 14.8882, 2.3348



7.6867, 14.8882, 5.9567

Triad

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



10.2247, 14.8882, 2.3348



9.8587, 14.8882, 50.4682



25.4537, 14.8882, 16.9834

Complementary

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



10.2247, 14.8882, 2.3348



3.8978, 1.6317, 17.2500

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.



23.4916, 14.8882, 34.2955



10.2247, 14.8882, 2.3348



13.8868, 14.8882, 59.2515

Square

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



10.2247, 14.8882, 2.3348



7.5112, 14.8882, 32.1697



18.9717, 14.8882, 52.1075



23.8660, 14.8882, 6.6585

Rectangle

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



10.2247, 14.8882, 2.3348



6.9296, 14.8882, 11.4572



18.9717, 14.8882, 52.1075



25.1803, 14.8882, 22.1249

Sweetspot

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



10.2250, 14.8889, 2.3351



24.8928, 29.4356, 18.3072



7.9741, 4.8566, 0.5173



5.6124, 6.7173, 3.9021



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.2250, 14.8889, 2.3351



17.8472, 26.1106, 4.0992



6.9452, 13.1981, 2.1816



3.8716, 4.2173, 3.9522



11.0488, 16.1002, 2.5253



52.9772, 78.0125, 12.2657

Inverse Universe

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



3.8978, 1.6317, 17.2500



6.7375, 2.8091, 30.3241



7.5327, 3.5056, 17.4202



3.5879, 3.6349, 4.6027



4.2052, 1.7592, 18.6605



19.7581, 8.1942, 90.9006

Previews

White Background



This preview shows how the XYZ color 10.2247, 14.8882, 2.3348 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



This preview shows how the XYZ color 10.2247, 14.8882, 2.3348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

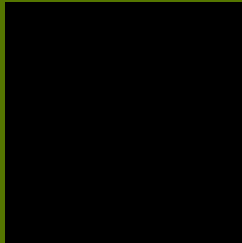
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2247, 14.8882, 2.3348

Background



This preview shows how black text looks on a background with the XYZ color 10.2247, 14.8882, 2.3348.



This preview shows how white text looks on a background with the XYZ color 10.2247, 14.8882,

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

10.2247, 14.8882, 2.3348

Protanopia

13.2477, 14.7901, 2.1565

Deuteranopia

14.8879, 14.7116, 2.8140



Tritanopia

13.6698, 14.9467, 19.3041

Trichromacy



Original Color

10.2247, 14.8882, 2.3348

Protanomaly

11.9785, 14.7765, 2.2208

Deuteranomaly

12.7779, 14.5387, 2.5483

Tritanomaly

11.5888, 14.5936, 8.8627

Monochromacy



Original Color

10.2247, 14.8882, 2.3348

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

9.9802, 12.2509, 6.1136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2247, 14.8882, 2.3348 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, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(85, 118, 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(85, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 118, 0) }
```

Border

The CSS property to change the border of an element to XYZ 10.2247, 14.8882, 2.3348 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, 118, 0) }
```


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

```
.border{ border-color:rgb(85, 118, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(85, 118, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.2247, 14.8882, 2.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 118, 0) }
```

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

```
.background{ background-color: rgb(85, 118,  
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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