

Converting Colors

XYZ(9.6789, 17.4160, 0.0000)

Have a look what the booklet for
XYZ(9.6789, 17.4160, 0.0000)
contains.

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Color

**XYZ(10.3120, 17.7672,
2.8859)**

Conversions

Conversions Part 1

Format	Color
Hex	3D8500
RGB	61, 133, 0
RGB Percent	24%, 52%, 0%
CMY	0.7608, 0.4784, 1.0000
CMYK	0.54, 0.00, 1.00, 0.48
HSL	92°, 100%, 26%
HSV	92°, 100%, 52%
XYZ	10.3120, 17.7672, 2.8859
YIQ	96.3100, -0.2190, -56.6270

Conversions

Conversions Part 2

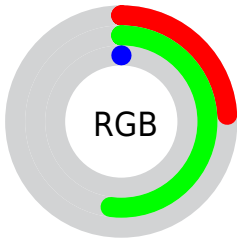
Format	Color
RYB	0, 133, 72
Decimal	4031744
CIELab	49.21, -42.62, 52.80
CIELCh	49, 67.856, 128.905
Yxy	17.7672, 0.3330, 0.5738
Android (android.graphics.Color)	4282221824 (0xFF3D8500)
YUV	96.3100, -47.4808, -30.9669
Hunter-Lab	42.1512, -30.0957, 25.4465

Details

The XYZ color **10.3120, 17.7672, 2.8859** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.9073, 3.0719, 22.4202**, and the grayscale version is **11.3063, 11.8951, 12.9538**.

A 20% lighter version of the original color is **26.0606, 39.7042, 11.2912**, and **3.0173, 6.0346, 1.0058** is the 20% darker color. If you saturate the color by 10%, you get **10.3121, 17.7678, 2.8860**, and if you desaturate by 10%, it is **10.8605, 18.0419, 3.3013**.

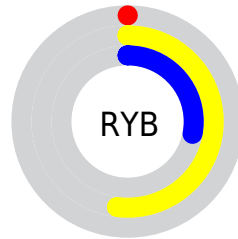
Distribution



Red (24%)

Green (52%)

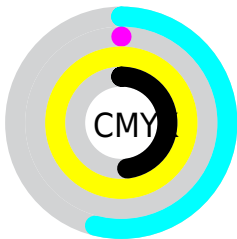
Blue (0%)



Red (0%)

Yellow (52%)

Blue (28%)

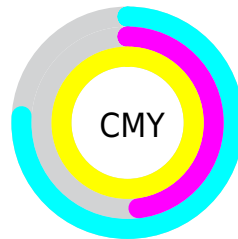


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (48%)



Cyan (76%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.3120, 17.7672, 2.8859 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 10.3120, 17.7672, 2.8859 by changing the saturation by 10% instead.


 10.3120, 17.7672,
2.8859


 10.3120, 17.7672,
2.8859


186.8921,
239.5556, 134.8939


 5.6702, 10.7830,
1.0367


 26.0251, 39.6402,
11.3456


 2.6843, 5.9211,
0.0000

 37.8271, 55.2978,
18.7931


 0.9891, 2.7972,
0.0000

 52.7464, 74.6154,
28.9438

 0.0000, 1.0268,
0.0000


 71.1486, 97.9772,
42.2162


 0.0000, 0.0000,
0.0000


 93.3989, 125.7678,
59.0289


 119.8626,


158.3714, 79.8004


 150.9053,
196.1725, 104.9492


 10.3120, 17.7672,
2.8859


 10.3120, 17.7672,
2.8859


 10.3121, 17.7678,
2.8860

 10.8605, 18.0419,
3.3013

 11.5144, 18.3653,
3.9514

 12.3016, 18.7494,
4.9701

 13.2327, 19.1986,
6.4018

 14.3166, 19.7168,
8.2846

■ 15.5616, 20.3076,
10.6523

■ 16.9753, 20.9740,
13.5354

■ 18.5647, 21.7192,
16.9618

■ 20.3363, 22.5459,
20.9576

Harmonies

Analogous

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



15.0638, 17.7672, 1.2734



10.3120, 17.7672, 2.8859



7.8538, 17.7672, 9.2793

Triad

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



10.3120, 17.7672, 2.8859



12.8569, 17.7672, 73.8777



32.0804, 17.7672, 14.4142

Complementary

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



10.3120, 17.7672, 2.8859



6.9073, 3.0719, 22.4202

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.



31.0604, 17.7672, 34.8880



10.3120, 17.7672, 2.8859



18.8520, 17.7672, 78.6813

Square

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



10.3120, 17.7672, 2.8859



9.0459, 17.7672, 50.7338



25.7914, 17.7672, 61.4067



28.3042, 17.7672, 4.6323

Rectangle

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



10.3120, 17.7672, 2.8859



7.3733, 17.7672, 18.6840



25.7914, 17.7672, 61.4067



32.3036, 17.7672, 20.0224

Sweetspot

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



10.3124, 17.7680, 2.8863



30.2137, 37.4718, 23.8519



11.9227, 9.4855, 1.2027



6.5968, 8.3432, 4.9388



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



10.3124, 17.7680, 2.8863



18.2883, 31.7255, 5.1597



8.4124, 16.7857, 2.9241



4.8042, 5.3016, 4.9995



9.8311, 16.9281, 2.7493



0.0423, 0.0629, 0.0099

Inverse Universe

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



6.9073, 3.0719, 22.4202



12.1853, 5.4060, 40.1396



13.6073, 6.5605, 21.1684



4.6574, 4.6595, 5.8546



6.5881, 2.9304, 21.3551



0.0313, 0.0145, 0.0744

Previews

White Background



This preview shows how the XYZ color 10.3120, 17.7672, 2.8859 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 10.3120, 17.7672, 2.8859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

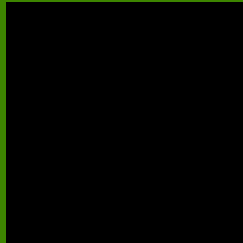
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 10.3120, 17.7672, 2.8859

Background



This preview shows how black text looks on a background with the XYZ color 10.3120, 17.7672, 2.8859.



This preview shows how white text looks on a background with the XYZ color 10.3120, 17.7672,

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

10.3120, 17.7672, 2.8859

Protanopia

15.7214, 17.5479, 2.5585

Deuteranopia

17.8064, 17.4340, 3.4635



Tritanopia

14.8190, 17.8420, 25.2171

Trichromacy



Original Color

10.3120, 17.7672, 2.8859

Protanomaly

13.0268, 17.2301, 2.6392

Deuteranomaly

13.7821, 16.7103, 3.0293

Tritanomaly

11.9767, 17.2511, 11.2929

Monochromacy



Original Color

10.3120, 17.7672, 2.8859

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

9.8782, 13.1132, 6.4253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3120, 17.7672, 2.8859 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(61, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(61, 133, 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(61, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 133, 0) }
```

Border

The CSS property to change the border of an element to XYZ 10.3120, 17.7672, 2.8859 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(61, 133, 0) }
```


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

```
.border{ border-color:rgb(61, 133, 0) }
```

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

Here you see how a box with a 4 pixel rgb(61, 133, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(61, 133, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.3120, 17.7672, 2.8859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 133, 0) }
```

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

```
.background{ background-color: rgb(61, 133,  
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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