

Converting Colors

XYZ(21.9960, 35.8211, 8.6001)

Have a look what the booklet for
XYZ(21.9960, 35.8211, 8.6001)
contains.

XYZ(21.9871, 35.8025, 8.5480)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.9871, 35.8025,
8.5480)**

Conversions

Conversions Part 1

Format	Color
Hex	61B530
RGB	97, 181, 48
RGB Percent	38%, 71%, 19%
CMY	0.6196, 0.2902, 0.8117
CMYK	0.46, 0.00, 0.73, 0.29
HSL	98°, 58%, 45%
HSV	98°, 73%, 71%
XYZ	21.9871, 35.8025, 8.5480
YIQ	140.7220, -7.3710, -59.1710

Conversions

Conversions Part 2

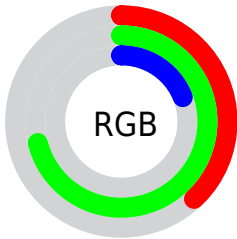
Format	Color
RYB	48, 181, 132
Decimal	6403376
CIELab	66.37, -48.10, 56.38
CIELCh	66, 74.110, 130.472
Yxy	35.8025, 0.3314, 0.5397
Android (android.graphics.Color)	4284593456 (0xFF61B530)
YUV	140.7220, -45.7119, -38.3442
Hunter-Lab	59.8352, -39.1198, 33.4145

Details

The XYZ color **21.9871, 35.8025, 8.5480** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **18.9151, 10.3568, 44.7202**, and the grayscale version is **25.3848, 26.7068, 29.0837**.

A 20% lighter version of the original color is **46.3491, 68.9984, 23.7071**, and **8.2825, 15.5361, 2.5622** is the 20% darker color. If you saturate the color by 10%, you get **20.5558, 35.1004, 6.9136**, and if you desaturate by 10%, it is **23.7481, 36.6591, 10.9948**.

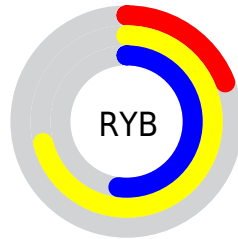
Distribution



Red (38%)

Green (71%)

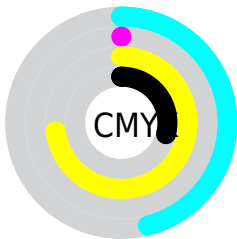
Blue (19%)



Red (19%)

Yellow (71%)

Blue (52%)

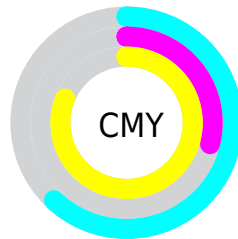


Cyan (46%)

Magenta (0%)

Yellow (73%)

Black (29%)



Cyan (62%)

Magenta (29%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9871, 35.8025, 8.5480 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 21.9871, 35.8025, 8.5480 by changing the saturation by 10% instead.

■ 21.9871, 35.8025,
8.5480

■ 21.9871, 35.8025,
8.5480

■ 255.1125,
328.0965, 190.0615

■ 13.9640, 24.2817,
4.3548

■ 46.2037, 68.7271,
23.5896

■ 8.1771, 15.5427,
1.8219

■ 63.1279, 90.8997,
35.2751

■ 4.2613, 9.2012,
0.4424

■ 83.7497, 117.3917,
50.2951

■ 1.8510, 4.8726,
0.0000

■ 108.4347,
148.5875, 69.0681

■ 0.5481, 2.1727,
0.0000

■ 137.5481,
184.8715, 92.0127

■ 0.0000, 0.7051,
0.0000

■ 171.4553,

■ 0.0000, 0.0000,

226.6281, 119.5474

0.0000

210.5217,
274.2416, 152.0908

■ 21.9871, 35.8025,
8.5480

■ 21.9871, 35.8025,
8.5480

■ 20.5558, 35.1004,
6.9136

■ 23.7481, 36.6591,
10.9948

■ 19.4242, 34.5365,
5.9840

■ 25.8599, 37.6759,
14.3390

■ 18.8174, 34.2312,
5.6155

■ 28.3442, 38.8637,
18.6575

■ 31.2204, 40.2307,
24.0186

■ 34.5061, 41.7848,
30.4840

■ 38.2178, 43.5333,
38.1110

■ 42.3713, 45.4831,
46.9527

■ 46.9811, 47.6407,
57.0590

■ 52.0614, 50.0122,
68.4769

Harmonies

Analogous

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



30.3013, 35.8025, 4.4983



21.9871, 35.8025, 8.5480



17.6374, 35.8025, 21.9342

Triad

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



21.9871, 35.8025, 8.5480



27.3914, 35.8025, 129.4281



59.5793, 35.8025, 28.9096

Complementary

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



21.9871, 35.8025, 8.5480



18.9151, 10.3568, 44.7202

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.



58.3232, 35.8025, 63.1488



21.9871, 35.8025, 8.5480



38.0510, 35.8025, 135.0587

Square

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



21.9871, 35.8025, 8.5480



20.2563, 35.8025, 93.5271



49.8192, 35.8025, 106.2786



52.9504, 35.8025, 11.2730

Rectangle

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



21.9871, 35.8025, 8.5480



16.8587, 35.8025, 39.4874



49.8192, 35.8025, 106.2786



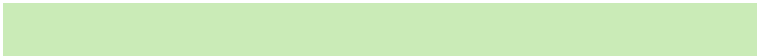
60.0953, 35.8025, 38.4826

Sweetspot

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



21.9879, 35.8040, 8.5488



62.4974, 75.1630, 56.0071



27.5759, 26.0084, 6.3635



13.1495, 16.0762, 11.3844



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.9879, 35.8040, 8.5488



35.5381, 62.2278, 11.2463



18.6556, 34.0425, 10.3670



8.6748, 9.6374, 9.0555



13.0425, 23.6337, 3.8744



0.4760, 0.7775, 0.1250

Inverse Universe

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



18.9151, 10.3568, 44.7202



29.5650, 14.1375, 79.4652



26.9500, 14.6729, 37.2419



8.5405, 8.4871, 10.6944



10.6409, 4.8214, 30.5068



0.3964, 0.1835, 0.9628

Previews

White Background



This preview shows how the XYZ color 21.9871, 35.8025, 8.5480 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.9871, 35.8025, 8.5480 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 ✓ Pass

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

XYZ 21.9871, 35.8025, 8.5480

Background



This preview shows how black text looks on a background with the XYZ color 21.9871, 35.8025, 8.5480.



This preview shows how white text looks on a background with the XYZ color 21.9871, 35.8025,

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

21.9871, 35.8025, 8.5480

Protanopia

32.0033, 35.3675, 7.4253

Deuteranopia

35.8371, 35.0516, 9.0145



Tritanopia

30.2392, 35.6753, 49.5482

Trichromacy



Original Color

21.9871, 35.8025, 8.5480



Protanomaly

27.0540, 34.6788, 7.7504



Deuteranomaly

28.8910, 34.2568, 8.7039



Tritanomaly

25.7328, 34.9601, 27.5820

Monochromacy



Original Color

21.9871, 35.8025, 8.5480



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.9998, 29.1984, 18.3336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9871, 35.8025, 8.5480 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(97, 181, 48)` looks like.

```
.text, #text, p{  
    color:rgb(97, 181, 48)  
}
```

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(97, 181, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 181, 48) }
```

Border

The CSS property to change the border of an element to XYZ 21.9871, 35.8025, 8.5480 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(97, 181, 48) }
```


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

```
.border{ border-color:rgb(97, 181, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 181, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 181, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 181, 48);  
box-shadow:4px 4px 4px 4px rgb(97, 181,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9871, 35.8025, 8.5480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 181, 48) }
```

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

```
.background{ background-color: rgb(97, 181,  
48) }
```

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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