

Converting Colors

XYZ(3.0716, 9.6157, 0.9265)

Have a look what the booklet for
XYZ(3.0716, 9.6157, 0.9265)
contains.

XYZ(5.3626, 10.7251, 1.7875)	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(5.3626, 10.7251,
1.7875)**

Conversions

Conversions Part 1

Format	Color
Hex	006C00
RGB	0, 108, 0
RGB Percent	0%, 42%, 0%
CMY	1.0000, 0.5765, 1.0000
CMYK	1.00, 0.00, 1.00, 0.58
HSL	120°, 100%, 21%
HSV	120°, 100%, 42%
XYZ	5.3626, 10.7251, 1.7875
YIQ	63.3960, -29.7000, -56.4840

Conversions

Conversions Part 2

Format	Color
RYB	0, 108, 108
Decimal	27648
CIELab	39.11, -45.79, 44.19
CIELCh	39, 63.636, 136.015
Yxy	10.7251, 0.3000, 0.6000
Android (android.graphics.Color)	4278217728 (0xFF006C00)
YUV	63.3960, -31.2542, -55.5983
Hunter-Lab	32.7492, -28.0822, 19.6883

Details

The XYZ color **5.3626, 10.7251, 1.7875** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **8.8915, 4.2711, 14.5436**, and the grayscale version is **4.8318, 5.0834, 5.5358**.

A 20% lighter version of the original color is **16.4359, 27.3014, 8.5411**, and **1.5640, 3.1279, 0.5213** is the 20% darker color. If you saturate the color by 10%, you get **5.3628, 10.7255, 1.7876**, and if you desaturate by 10%, it is **5.5575, 10.8190, 2.1061**.

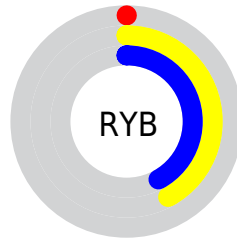
Distribution



Red (0%)

Green (42%)

Blue (0%)



Red (0%)

Yellow (42%)

Blue (42%)

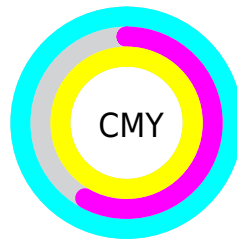


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (100%)


Magenta (58%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 5.3626, 10.7251, 1.7875 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 5.3626, 10.7251, 1.7875 by changing the saturation by 10% instead.


 5.3626, 10.7251,
1.7875


 5.3626, 10.7251,
1.7875


 148.1297,
195.7717, 118.9846


 2.4985, 5.8823,
0.4197

 16.3327, 27.1507,
8.4513


 0.8945, 2.7736,
0.0000


 25.1694, 39.5023,
14.6804

 0.0000, 1.0147,
0.0000

 36.7276, 55.1256,
23.3991

 0.0000, 0.0000,
0.0000


 51.3728, 74.4050,
35.0258


 69.4702, 97.7249,
49.9792


 91.3853, 125.4698,


68.6778


 117.4834,
158.0239, 91.5401


 5.3626, 10.7251,
1.7875


 5.3626, 10.7251,
1.7875


 5.3628, 10.7255,
1.7876

 5.5575, 10.8190,
2.1061

 5.8260, 10.9480,
2.5454

 6.2374, 11.1456,
3.2182

 6.8075, 11.4195,
4.1508

 7.5504, 11.7763,
5.3659

■ 8.4785, 12.2221,
6.8839

■ 9.6030, 12.7623,
8.7232

■ 10.9342, 13.4018,
10.9008

■ 12.4819, 14.1452,
13.4324

Harmonies

Analogous

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



8.0966, 10.7251, 0.4384



5.3626, 10.7251, 1.7875



4.1319, 10.7251, 6.8762

Triad

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



5.3626, 10.7251, 1.7875



8.3396, 10.7251, 52.4426



20.2694, 10.7251, 6.3272

Complementary

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



5.3626, 10.7251, 1.7875



8.8915, 4.2711, 14.5436

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.



20.3884, 10.7251, 18.3145



5.3626, 10.7251, 1.7875



12.6252, 10.7251, 51.8590

Square

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



5.3626, 10.7251, 1.7875



5.4975, 10.7251, 37.9997



17.2974, 10.7251, 36.7231



17.0069, 10.7251, 1.6245

Rectangle

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



5.3626, 10.7251, 1.7875



4.0246, 10.7251, 14.3131



17.2974, 10.7251, 36.7231



20.7039, 10.7251, 9.3876

Sweetspot

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



5.3628, 10.7255, 1.7877



16.6835, 22.3209, 15.0277



11.3594, 13.5380, 2.0145



3.8790, 5.3262, 3.3771



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



5.3628, 10.7255, 1.7877



9.4147, 18.8293, 3.1382



5.9872, 10.9753, 5.0758



3.0640, 3.4448, 3.3209



6.3963, 12.7926, 2.1321



32.5919, 65.1839, 10.8640

Inverse Universe

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



8.8915, 4.2711, 14.5436



15.6094, 7.4980, 25.5323



6.8936, 3.4720, 4.0231



3.2176, 3.1639, 3.8760



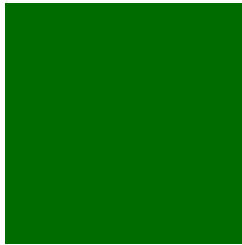
10.6050, 5.0941, 17.3466



54.0372, 25.9568, 88.3883

Previews

White Background



This preview shows how the XYZ color 5.3626, 10.7251, 1.7875 looks on a white background.

Color Contrast Check

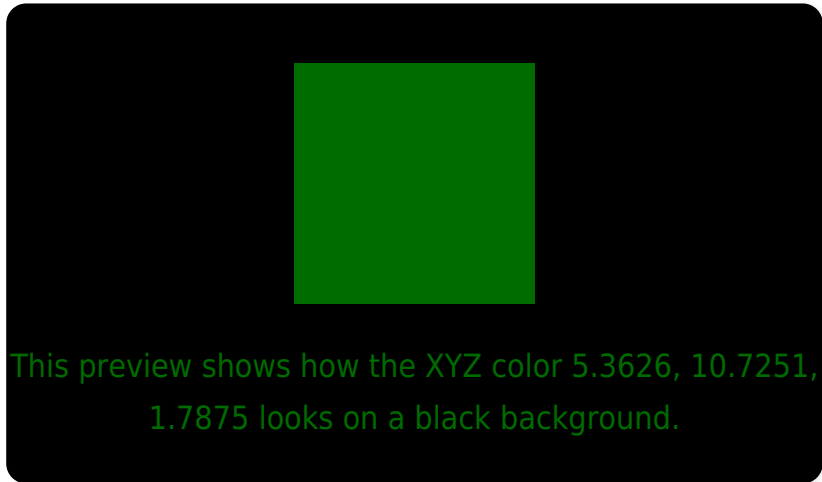
Large Text (above 18pt) WCAG AA ✓ Pass

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

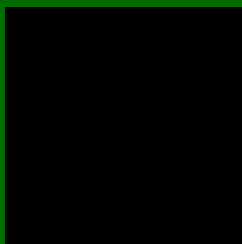
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 5.3626, 10.7251, 1.7875

Background



This preview shows how black text looks on a background with the XYZ color 5.3626, 10.7251, 1.7875.



This preview shows how white text looks on a background with the XYZ color 5.3626, 10.7251, 1.7875.

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

5.3626, 10.7251, 1.7875

Protanopia

9.5361, 10.5973, 1.5429

Deuteranopia

10.8468, 10.7543, 2.3147



Tritanopia

8.3997, 10.7764, 16.1053

Trichromacy



Original Color

5.3626, 10.7251, 1.7875

Protanomaly

6.6144, 9.8936, 1.5610

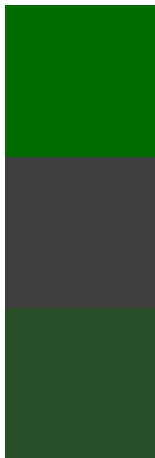
Deuteranomaly

7.0025, 9.6748, 1.9503

Tritanomaly

6.4311, 10.3914, 7.2970

Monochromacy



Original Color

5.3626, 10.7251, 1.7875

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

4.0541, 6.1963, 2.9898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 5.3626, 10.7251, 1.7875 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(0, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 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(0, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 5.3626, 10.7251, 1.7875 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(0, 108, 0) }
```


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

```
.border{ border-color:rgb(0, 108, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 108, 0); box-shadow:4px  
4px 4px 4px rgb(0, 108, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 5.3626, 10.7251, 1.7875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 0) }
```

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

```
.background{ background-color: rgb(0, 108,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor