

Converting Colors

XYZ(10.2950, 12.2695, 1.5905)

Have a look what the booklet for
XYZ(10.2950, 12.2695, 1.5905)
contains.

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Color

**XYZ(10.3626, 12.2504,
1.8184)**

Conversions

Conversions Part 1

Format	Color
Hex	686500
RGB	104, 101, 0
RGB Percent	41%, 40%, 0%
CMY	0.5922, 0.6039, 1.0000
CMYK	0.00, 0.03, 1.00, 0.59
HSL	58°, 100%, 20%
HSV	58°, 100%, 41%
XYZ	10.3626, 12.2504, 1.8184
YIQ	90.3830, 34.2090, -30.7750

Conversions

Conversions Part 2

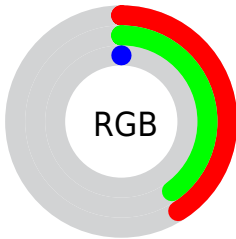
Format	Color
RYB	3, 104, 0
Decimal	6841600
CIELab	41.61, -9.46, 48.21
CIELCh	42, 49.128, 101.106
Yxy	12.2504, 0.4242, 0.5014
Android (android.graphics.Color)	4285031680 (0xFF686500)
YUV	90.3830, -44.5588, 11.9421
Hunter-Lab	35.0006, -8.4026, 21.4201

Details

The XYZ color **10.3626, 12.2504, 1.8184** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.5313, 1.0647, 13.1687**, and the grayscale version is **9.8966, 10.4120, 11.3387**.

A 20% lighter version of the original color is **26.1182, 30.0413, 8.5597**, and **2.8344, 3.4893, 0.5241** is the 20% darker color. If you saturate the color by 10%, you get **10.3628, 12.2509, 1.8185**, and if you desaturate by 10%, it is **10.4490, 12.3321, 2.1285**.

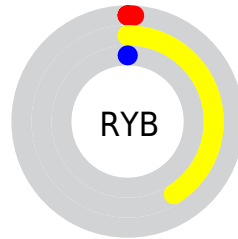
Distribution



Red (41%)

Green (40%)

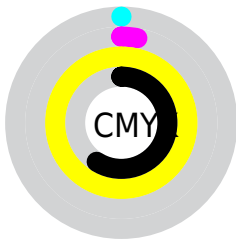
Blue (0%)



Red (1%)

Yellow (41%)

Blue (0%)

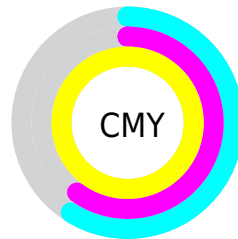


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (59%)



Cyan (59%)

Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3626, 12.2504, 1.8184 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 10.3626, 12.2504, 1.8184 by changing the saturation by 10% instead.

10.3626, 12.2504,
1.8184

10.3626, 12.2504,
1.8184

187.2408,
206.0560, 119.4900

5.7041, 6.9144,
0.4401

26.1188, 29.9503,
8.5381

2.7050, 3.4087,
0.0000

37.9473, 43.0831,
14.8058

0.9997, 1.3486,
0.0000

52.8965, 59.5836,
23.5701

0.0000, 0.1784,
0.0000


71.3318, 79.8363,
35.2496


0.0000, 0.0000,
0.0000


93.6185, 104.2254,
50.2628


120.1221,


133.1355, 69.0282


 151.2077,
166.9509, 91.9644

 10.3626, 12.2504,
1.8184


 10.3626, 12.2504,
1.8184


 10.3628, 12.2509,
1.8185

 10.4490, 12.3321,
2.1285

 10.5548, 12.4212,
2.5413

 10.7007, 12.5265,
3.1644

 10.8910, 12.6498,
4.0213

 11.1296, 12.7926,
5.1321

■ 11.4200, 12.9563,
6.5149

■ 11.7653, 13.1421,
8.1861

■ 12.1683, 13.3511,
10.1609

■ 12.6318, 13.5845,
12.4533

Harmonies

Analogous

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



14.0279, 12.2504, 2.0090



10.3626, 12.2504, 1.8184



7.6656, 12.2504, 3.2929

Triad

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



10.3626, 12.2504, 1.8184



7.1741, 12.2504, 31.0403



19.4821, 12.2504, 20.8289

Complementary

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



10.3626, 12.2504, 1.8184



2.5313, 1.0647, 13.1687

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.



16.8036, 12.2504, 34.4997



10.3626, 12.2504, 1.8184



9.5461, 12.2504, 42.1929

Square

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



10.3626, 12.2504, 1.8184



6.0937, 12.2504, 17.5255



13.0261, 12.2504, 43.7101



19.8265, 12.2504, 9.8780

Rectangle

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



10.3626, 12.2504, 1.8184



6.5807, 12.2504, 5.8788



13.0261, 12.2504, 43.7101



18.8025, 12.2504, 25.3694

Sweetspot

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



10.3629, 12.2510, 1.8186



20.5860, 23.0275, 14.0923



5.7280, 2.9508, 0.3674



4.9748, 5.5927, 3.2065



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.



10.3629, 12.2510, 1.8186



18.1665, 21.4647, 3.1856



6.5517, 10.7261, 1.7252



3.0338, 3.2551, 3.0428



12.7703, 15.0938, 2.2403



66.4893, 78.4924, 11.6462

Inverse Universe

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



2.5313, 1.0647, 13.1687



4.4260, 1.8380, 23.0986



3.7431, 1.6411, 13.2161



2.6986, 2.7752, 3.5254



3.1160, 1.3038, 16.2318



16.1404, 6.5774, 84.6203

Previews

White Background



This preview shows how the XYZ color 10.3626, 12.2504, 1.8184 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 10.3626, 12.2504, 1.8184 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 10.3626, 12.2504, 1.8184

Background



This preview shows how black text looks on a background with the XYZ color 10.3626, 12.2504, 1.8184.



This preview shows how white text looks on a background with the XYZ color 10.3626, 12.2504,

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

10.3626, 12.2504, 1.8184

Protanopia

11.0174, 12.3032, 1.7941

Deuteranopia

12.3128, 12.1483, 2.1478



Tritanopia

12.7821, 12.2600, 14.0046

Trichromacy



Original Color

10.3626, 12.2504, 1.8184

Protanomaly

10.7415, 12.3025, 1.8085

Deuteranomaly

11.5738, 12.1696, 2.0261

Tritanomaly

11.3844, 12.1077, 6.5875

Monochromacy



Original Color

10.3626, 12.2504, 1.8184

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.4605, 10.7337, 5.4441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3626, 12.2504, 1.8184 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(104, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(104, 101, 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(104, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 101, 0) }
```

Border

The CSS property to change the border of an element to XYZ 10.3626, 12.2504, 1.8184 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(104, 101, 0) }
```


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

```
.border{ border-color:rgb(104, 101, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 101, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(104, 101,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3626, 12.2504, 1.8184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 101, 0) }
```

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

```
.background{ background-color: rgb(104,  
101, 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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