

Converting Colors

XYZ(9.6687, 11.2033, 1.6528)

Have a look what the booklet for
XYZ(9.6687, 11.2033, 1.6528)
contains.

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Color

**XYZ(9.6624, 11.1905,
1.6507)**

Conversions

Conversions Part 1

Format	Color
Hex	666000
RGB	102, 96, 0
RGB Percent	40%, 38%, 0%
CMY	0.6000, 0.6235, 1.0000
CMYK	0.00, 0.06, 1.00, 0.60
HSL	56°, 100%, 20%
HSV	56°, 100%, 40%
XYZ	9.6624, 11.1905, 1.6507
YIQ	86.8500, 34.3920, -28.5840

Conversions

Conversions Part 2

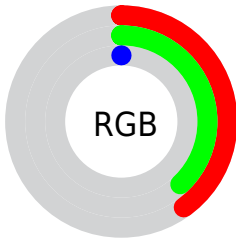
Format	Color
R_{YB}	6, 102, 0
Decimal	6709248
CIE Lab	39.90, -7.59, 46.88
CIE LCh	40, 47.490, 99.197
Yxy	11.1905, 0.4294, 0.4973
Android (android.graphics.Color)	4284899328 (0xFF666000)
YUV	86.8500, -42.8170, 13.2866
Hunter-Lab	33.4522, -6.9831, 20.4909

Details

The XYZ color **9.6624, 11.1905, 1.6507** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.4635, 1.0896, 12.6509**, and the grayscale version is **9.1112, 9.5857, 10.4388**.

A 20% lighter version of the original color is **24.7529, 27.9312, 8.0896**, and **2.5058, 2.9850, 0.4441** is the 20% darker color. If you saturate the color by 10%, you get **9.6626, 11.1910, 1.6508**, and if you desaturate by 10%, it is **9.7735, 11.3233, 1.9635**.

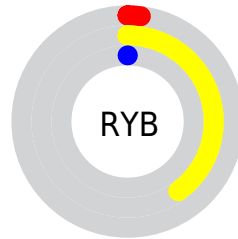
Distribution



Red (40%)

Green (38%)

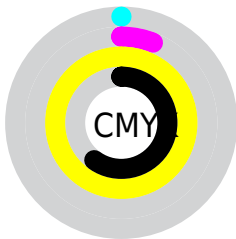
Blue (0%)



Red (2%)

Yellow (40%)

Blue (0%)

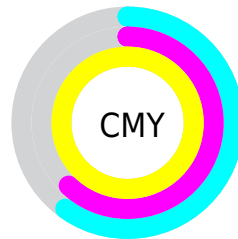


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (60%)



Cyan (60%)


Magenta (62%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 9.6624, 11.1905, 1.6507 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 9.6624, 11.1905, 1.6507 by changing the saturation by 10% instead.

 9.6624, 11.1905,
1.6507


 9.6624, 11.1905,
1.6507


 182.3497,
198.9699, 116.6927


 5.2362, 6.1951,
0.3266

 24.8140, 28.0119,
8.0618

 2.4227, 2.9641,
0.0000

 36.2702, 40.6067,
14.1161

 0.8564, 1.1130,
0.0000

 50.8004, 56.5034,
22.6276

 0.0000, 0.0000,
0.0000


 68.7701, 76.0865,
34.0149


 90.5444, 99.7403,
48.6965


 116.4890,


127.8492, 67.0910


 146.9689,
160.7976, 89.6169


 9.6624, 11.1905,
1.6507


 9.6624, 11.1905,
1.6507


 9.6626, 11.1910,
1.6508

 9.7735, 11.3233,
1.9635

 9.9028, 11.4636,
2.3716

 10.0708, 11.6200,
2.9812

 10.2817, 11.7943,
3.8146

 10.5391, 11.9878,
4.8909

■ 10.8464, 12.2020,
6.2273

■ 11.2064, 12.4379,
7.8396

■ 11.6219, 12.6967,
9.7421

■ 12.0954, 12.9794,
11.9482

Harmonies

Analogous

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



13.0299, 11.1905, 1.9121



9.6624, 11.1905, 1.6507



7.1361, 11.1905, 2.8778

Triad

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



9.6624, 11.1905, 1.6507



6.4689, 11.1905, 27.4802



17.6650, 11.1905, 19.7662

Complementary

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



9.6624, 11.1905, 1.6507



2.4635, 1.0896, 12.6509

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.



15.1265, 11.1905, 32.1518



9.6624, 11.1905, 1.6507



8.5553, 11.1905, 37.9681

Square

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



9.6624, 11.1905, 1.6507



5.5575, 11.1905, 15.2959



11.6734, 11.1905, 40.0150



18.1307, 11.1905, 9.5266

Rectangle

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



9.6624, 11.1905, 1.6507



6.0972, 11.1905, 5.0926



11.6734, 11.1905, 40.0150



17.0042, 11.1905, 23.9311

Sweetspot

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



9.6627, 11.1910, 1.6509



19.5950, 21.7759, 13.4846



5.5168, 2.8398, 0.4527



4.5771, 5.1077, 2.9759



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



9.6627, 11.1910, 1.6509



16.9185, 19.5714, 2.8860



6.4848, 10.3964, 1.6650



3.0272, 3.2418, 3.0406



12.4002, 14.3536, 2.1170



64.4487, 74.4112, 10.9660

Inverse Universe

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



2.4635, 1.0896, 12.6509



4.2907, 1.8517, 22.1770



3.4458, 1.4994, 12.6782



2.7046, 2.7872, 3.5274



3.1534, 1.3785, 16.2442



16.2249, 6.7465, 84.6485

Previews

White Background



This preview shows how the XYZ color 9.6624, 11.1905, 1.6507 looks on a white background.

Color Contrast Check

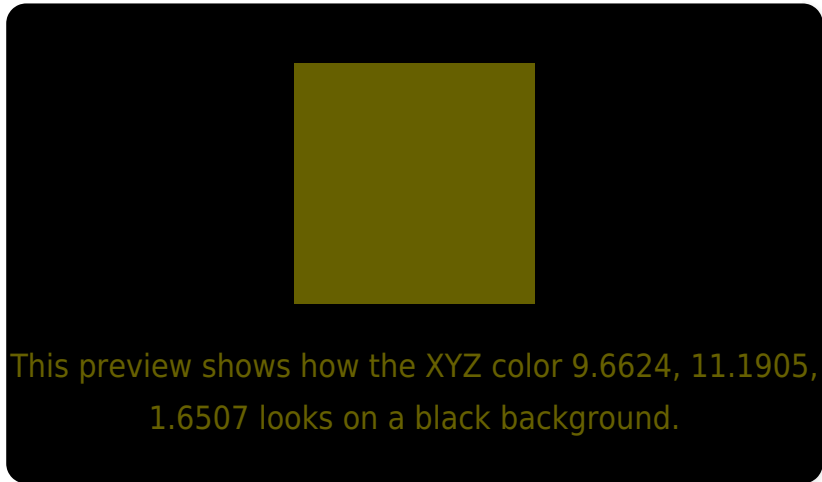
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.6624, 11.1905, 1.6507

Background



This preview shows how black text looks on a background with the XYZ color 9.6624, 11.1905, 1.6507.

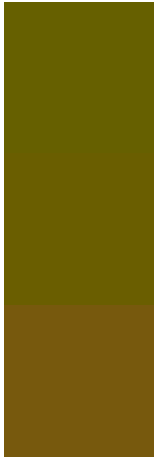


This preview shows how white text looks on a background with the XYZ color 9.6624, 11.1905,

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

9.6624, 11.1905, 1.6507

Protanopia

9.9466, 11.0696, 1.6124

Deuteranopia

11.2528, 11.0958, 1.9294



Tritanopia

11.8680, 11.1774, 12.5983

Trichromacy



Original Color

9.6624, 11.1905, 1.6507

Protanomaly

9.9179, 11.1877, 1.6367

Deuteranomaly

10.6810, 11.1825, 1.8252

Tritanomaly

10.6133, 11.0554, 5.9894

Monochromacy



Original Color

9.6624, 11.1905, 1.6507

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.7594, 9.8635, 5.0566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6624, 11.1905, 1.6507 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(102, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 96, 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(102, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 96, 0) }
```

Border

The CSS property to change the border of an element to XYZ 9.6624, 11.1905, 1.6507 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(102, 96, 0) }
```


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

```
.border{ border-color:rgb(102, 96, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 96, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 96, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.6624, 11.1905, 1.6507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 96, 0) }
```

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

```
.background{ background-color: rgb(102, 96,  
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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