

Converting Colors

XYZ(10.6710, 20.9639, 4.7228)

Have a look what the booklet for
XYZ(10.6710, 20.9639, 4.7228)
contains.

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Color

**XYZ(10.6681, 20.9612,
4.7119)**

Conversions

Conversions Part 1

Format	Color
Hex	00931E
RGB	0, 147, 30
RGB Percent	0%, 58%, 12%
CMY	1.0000, 0.4235, 0.8823
CMYK	1.00, 0.00, 0.80, 0.42
HSL	132°, 100%, 29%
HSV	132°, 100%, 58%
XYZ	10.6681, 20.9612, 4.7119
YIQ	89.7090, -50.0550, -67.5510

Conversions

Conversions Part 2

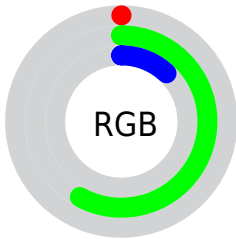
Format	Color
RYB	0, 122, 147
Decimal	37662
CIELab	52.91, -55.83, 48.59
CIELCh	53, 74.010, 138.966
Yxy	20.9612, 0.2936, 0.5768
Android (android.graphics.Color)	4278227742 (0xFF00931E)
YUV	89.7090, -29.4365, -78.6748
Hunter-Lab	45.7834, -38.5282, 25.9464

Details

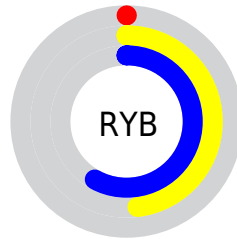
The XYZ color **10.6681, 20.9612, 4.7119** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **15.2442, 7.4878, 17.4723**, and the grayscale version is **9.7256, 10.2321, 11.1427**.

A 20% lighter version of the original color is **26.6512, 44.9074, 15.6508**, and **4.0922, 8.1844, 1.3641** is the 20% darker color. If you saturate the color by 10%, you get **10.6685, 20.9620, 4.7121**, and if you desaturate by 10%, it is **11.0390, 21.1324, 5.6600**.

Distribution



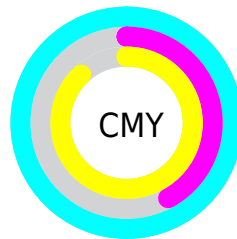
- Red (0%)
- Green (58%)
- Blue (12%)



- Red (0%)
- Yellow (48%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.6681, 20.9612, 4.7119 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 10.6681, 20.9612, 4.7119 by changing the saturation by 10% instead.


 10.6681, 20.9612,
4.7119

 10.6681, 20.9612,
4.7119


189.3318,
257.0722, 155.8369


 5.9098, 13.0956,
2.0235


 26.6832, 45.0230,
15.6209


 2.8304, 7.4944,
0.5697


 38.6707, 61.9879,
24.6786


 1.0647, 3.7732,
0.0000

 53.7986, 82.7549,
36.6964

 0.0000, 1.5475,
0.0000

 72.4322, 107.7081,
52.0930

 0.0000, 0.3218,
0.0000

 94.9371, 137.2321,
71.2867

 0.0000, 0.0000,
0.0000

 121.6784,

171.7111, 94.6963

153.0215,
211.5297, 122.7402

■ 10.6681, 20.9612,
4.7119

■ 10.6681, 20.9612,
4.7119

■ 10.6685, 20.9620,
4.7121

■ 11.0390, 21.1324,
5.6600

■ 11.6043, 21.3962,
6.9354

■ 12.4345, 21.7890,
8.5673

■ 13.5589, 22.3252,
10.5797

■ 15.0027, 23.0176,
12.9947

■ 16.7884, 23.8771,
15.8327

■ 18.9363, 24.9141,
19.1126

■ 21.4652, 26.1376,
22.8521

■ 24.3927, 27.5565,
27.0681

Harmonies

Analogous

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



15.4641, 20.9612, 1.5830



10.6681, 20.9612, 4.7119



8.5888, 20.9612, 15.5941

Triad

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



10.6681, 20.9612, 4.7119



17.2062, 20.9612, 95.5019



37.5875, 20.9612, 11.5781

Complementary

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



10.6681, 20.9612, 4.7119



15.2442, 7.4878, 17.4723

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.



38.4074, 20.9612, 31.9990



10.6681, 20.9612, 4.7119



25.1658, 20.9612, 91.5916

Square

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



10.6681, 20.9612, 4.7119



11.6577, 20.9612, 72.4835



33.4010, 20.9612, 63.8389



31.3873, 20.9612, 3.3998

Rectangle

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



10.6681, 20.9612, 4.7119



8.5356, 20.9612, 30.1364



33.4010, 20.9612, 63.8389



38.5523, 20.9612, 16.8005

Sweetspot

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



10.6686, 20.9621, 4.7124



33.6530, 44.4912, 33.8388



17.8516, 24.6921, 3.8253



7.3315, 9.9869, 7.1935



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



10.6686, 20.9621, 4.7124



19.0521, 37.5174, 8.1596



12.8775, 21.8456, 16.3444



5.7751, 6.4866, 6.4268



9.2563, 18.1753, 4.1254



0.1221, 0.2260, 0.0970

Inverse Universe

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



15.2442, 7.4878, 17.4723



27.2343, 13.3830, 30.9477



12.4897, 6.3860, 2.9675



5.9851, 5.8891, 7.0278



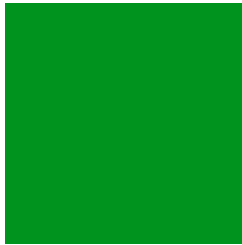
13.2243, 6.4948, 15.1939



0.1722, 0.0836, 0.2402

Previews

White Background



This preview shows how the XYZ color 10.6681, 20.9612, 4.7119 looks on a white 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

Black Background



This preview shows how the XYZ color 10.6681, 20.9612, 4.7119 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 10.6681, 20.9612, 4.7119

Background



This preview shows how black text looks on a background with the XYZ color 10.6681, 20.9612, 4.7119.



This preview shows how white text looks on a background with the XYZ color 10.6681, 20.9612,

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

10.6681, 20.9612, 4.7119

Protanopia

18.6208, 20.6546, 3.9250

Deuteranopia

20.9375, 20.5362, 5.1459



Tritanopia

16.2154, 21.0215, 31.2199

Trichromacy



Original Color

10.6681, 20.9612, 4.7119



Protanomaly

12.9394, 19.3030, 4.0808



Deuteranomaly

13.4556, 18.5498, 4.7050



Tritanomaly

12.9114, 20.5010, 16.6412

Monochromacy



Original Color

10.6681, 20.9612, 4.7119



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

8.4152, 12.6561, 7.4682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6681, 20.9612, 4.7119 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, 147, 30)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 30)  
}
```

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, 147, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 30) }
```

Border

The CSS property to change the border of an element to XYZ 10.6681, 20.9612, 4.7119 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, 147, 30) }
```


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

```
.border{ border-color:rgb(0, 147, 30) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 30);  
box-shadow:4px 4px 4px 4px rgb(0, 147, 30)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.6681, 20.9612, 4.7119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 30) }
```

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

```
.background{ background-color: rgb(0, 147,  
30) }
```

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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