

Converting Colors

XYZ(6.6932, 12.0118, 3.1944)

Have a look what the booklet for
XYZ(6.6932, 12.0118, 3.1944)
contains.

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Color

**XYZ(6.6882, 12.0222,
3.1963)**

Conversions

Conversions Part 1

Format	Color
Hex	22701E
RGB	34, 112, 30
RGB Percent	13%, 44%, 12%
CMY	0.8667, 0.5608, 0.8823
CMYK	0.70, 0.00, 0.73, 0.56
HSL	117°, 58%, 28%
HSV	117°, 73%, 44%
XYZ	6.6882, 12.0222, 3.1963
YIQ	79.3300, -20.1660, -42.0380

Conversions

Conversions Part 2

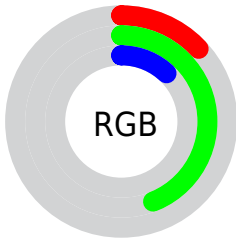
Format	Color
RYB	30, 112, 108
Decimal	2256926
CIELab	41.25, -40.35, 37.01
CIELCh	41, 54.754, 137.469
Yxy	12.0222, 0.3053, 0.5488
Android (android.graphics.Color)	4280447006 (0xFF22701E)
YUV	79.3300, -24.3197, -39.7544
Hunter-Lab	34.6730, -26.2464, 18.8055

Details

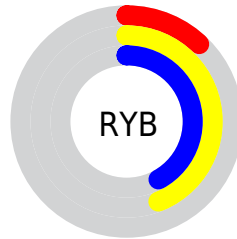
The XYZ color **6.6882, 12.0222, 3.1963** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **9.5741, 5.2871, 15.8458**, and the grayscale version is **7.5437, 7.9366, 8.6429**.

A 20% lighter version of the original color is **19.0829, 29.6484, 12.1141**, and **1.7775, 3.5550, 0.5925** is the 20% darker color. If you saturate the color by 10%, you get **6.2716, 11.8215, 2.5585**, and if you desaturate by 10%, it is **7.2652, 12.3005, 4.1077**.

Distribution



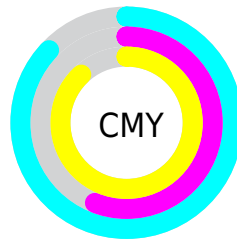
- Red (13%)
- Green (44%)
- Blue (12%)



- Red (12%)
- Yellow (44%)
- Blue (42%)



- Cyan (70%)
- Magenta (0%)
- Yellow (73%)
- Black (56%)



- Cyan (87%)
- Magenta (56%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.6882, 12.0222, 3.1963 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 6.6882, 12.0222, 3.1963 by changing the saturation by 10% instead.

■ 6.6882, 12.0222,
3.1963

■ 6.6882, 12.0222,
3.1963

159.6490,
204.5522, 138.8228

■ 3.3125, 6.7588,
1.1957

■ 19.0541, 29.5355,
12.1091

■ 1.3211, 3.3117,
0.0000

■ 28.7750, 42.5543,
19.8584

■ 0.1989, 1.2966,
0.0000

■ 41.3417, 58.9269,
30.3610

■ 0.0000, 0.1385,
0.0000

■ 57.1195, 79.0378,
44.0355

■ 0.0000, 0.0000,
0.0000

■ 76.4738, 103.2714,
61.3004

■ 99.7699, 132.0120,

82.5742

127.3732,
165.6442, 108.2755

6.6882, 12.0222,
3.1963

6.6882, 12.0222,
3.1963

6.2716, 11.8215,
2.5585

7.2652, 12.3005,
4.1077

5.9975, 11.6888,
2.1584

8.0159, 12.6614,
5.3180

5.8628, 11.6241,
1.9347

8.9528, 13.1115,
6.8504

10.0875, 13.6561,
8.7257

11.4302, 14.3001,
10.9627

■ 12.9906, 15.0483,
13.5792

■ 14.7779, 15.9048,
16.5915

■ 16.8006, 16.8739,
20.0153

■ 19.0668, 17.9593,
23.8650

Harmonies

Analogous

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



9.2921, 12.0222, 1.3667



6.6882, 12.0222, 3.1963



5.4939, 12.0222, 8.9099

Triad

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



6.6882, 12.0222, 3.1963



9.8547, 12.0222, 47.9473



20.3259, 12.0222, 7.5794

Complementary

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



6.6882, 12.0222, 3.1963



9.5741, 5.2871, 15.8458

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.



20.5760, 12.0222, 18.4079



6.6882, 12.0222, 3.1963



13.8655, 12.0222, 46.8022

Square

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



6.6882, 12.0222, 3.1963



7.0177, 12.0222, 36.5984



17.9982, 12.0222, 34.0270



17.3781, 12.0222, 2.7053

Rectangle

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



6.6882, 12.0222, 3.1963



5.4226, 12.0222, 16.1310



17.9982, 12.0222, 34.0270



20.7491, 12.0222, 10.4577

Sweetspot

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



6.6885, 12.0227, 3.1966



20.2419, 25.1988, 19.5301



12.2691, 14.2432, 3.3310



4.7404, 5.9951, 4.4870



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



6.6885, 12.0227, 3.1966



10.6527, 20.5900, 3.9615



7.3401, 12.2690, 7.2762



3.3587, 3.7703, 3.6240



6.7716, 13.4346, 2.2362



33.5203, 66.8144, 11.1298

Inverse Universe

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



9.5741, 5.2871, 15.8458



16.0120, 7.9688, 27.6240



8.4203, 4.8830, 7.1737



3.4991, 3.4456, 4.2349



10.3216, 4.9304, 18.1293



51.2007, 24.4493, 90.2997

Previews

White Background



This preview shows how the XYZ color 6.6882, 12.0222, 3.1963 looks on a white background.

Color Contrast Check

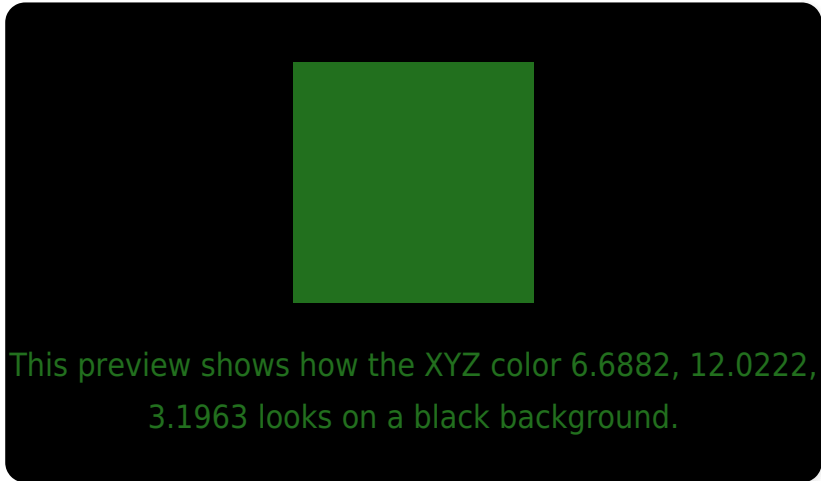
Large Text (above 18pt) WCAG AA ✓ Pass

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 6.6882, 12.0222, 3.1963

Background



This preview shows how black text looks on a background with the XYZ color 6.6882, 12.0222, 3.1963.



This preview shows how white text looks on a background with the XYZ color 6.6882, 12.0222,

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

6.6882, 12.0222, 3.1963

Protanopia

10.7678, 11.8752, 2.7019

Deuteranopia

12.0622, 11.8592, 3.4870



Tritanopia

9.5618, 11.9336, 17.4222

Trichromacy



Original Color

6.6882, 12.0222, 3.1963

Protanomaly

8.4289, 11.3757, 2.7884

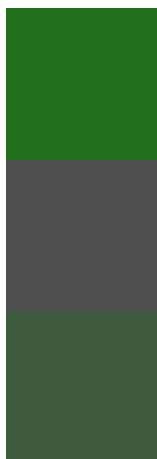
Deuteranomaly

8.8850, 11.1689, 3.2776

Tritanomaly

8.0380, 11.7683, 10.0315

Monochromacy



Original Color

6.6882, 12.0222, 3.1963

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

6.6333, 8.8759, 5.7785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.6882, 12.0222, 3.1963 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(34, 112, 30)` looks like.

```
.text, #text, p{  
    color:rgb(34, 112, 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(34, 112, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 112, 30) }
```

Border

The CSS property to change the border of an element to XYZ 6.6882, 12.0222, 3.1963 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(34, 112, 30) }
```


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

```
.border{ border-color:rgb(34, 112, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 112, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 112, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 112, 30);  
box-shadow:4px 4px 4px 4px rgb(34, 112,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 6.6882, 12.0222, 3.1963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 112, 30) }
```

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

```
.background{ background-color: rgb(34, 112,  
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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