

Converting Colors

XYZ(14.7715, 35.1355, 11.9296)

Have a look what the booklet for
XYZ(14.7715, 35.1355, 11.9296)
contains.

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Color

**XYZ(19.7681, 37.7165,
12.1994)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF47
RGB	0, 191, 71
RGB Percent	0%, 75%, 28%
CMY	1.0000, 0.2510, 0.7216
CMYK	1.00, 0.00, 0.63, 0.25
HSL	142°, 100%, 37%
HSV	142°, 100%, 75%
XYZ	19.7681, 37.7165, 12.1994
YIQ	120.2110, -75.3160, -77.8120

Conversions

Conversions Part 2

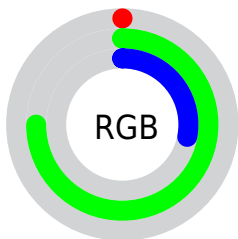
Format	Color
RYB	0, 139, 191
Decimal	48967
CIELab	67.81, -65.01, 48.08
CIELCh	68, 80.863, 143.513
Yxy	37.7165, 0.2837, 0.5413
Android (android.graphics.Color)	4278239047 (0xFF00BF47)
YUV	120.2110, -24.2610, -105.4250
Hunter-Lab	61.4138, -50.0178, 31.2121

Details

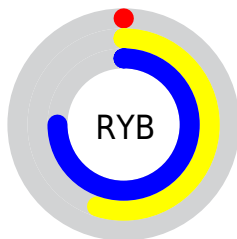
The XYZ color **19.7681, 37.7165, 12.1994** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **24.8770, 12.4330, 18.8586**, and the grayscale version is **18.0136, 18.9518, 20.6385**.

A 20% lighter version of the original color is **42.6594, 71.8592, 30.6906**, and **8.8768, 17.6374, 3.3173** is the 20% darker color. If you saturate the color by 10%, you get **19.7689, 37.7180, 12.2000**, and if you desaturate by 10%, it is **20.4636, 38.0271, 14.4458**.

Distribution



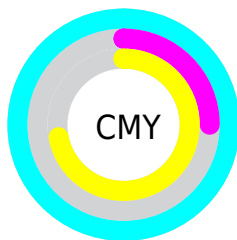
- Red (0%)
- Green (75%)
- Blue (28%)



- Red (0%)
- Yellow (55%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7681, 37.7165, 12.1994 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 19.7681, 37.7165, 12.1994 by changing the saturation by 10% instead.


 19.7681, 37.7165,
12.1994


 19.7681, 37.7165,
12.1994


243.5145,
336.4023, 216.7455


 12.3339, 25.7627,
6.7554


 42.5350, 71.6734,
30.5276


 7.0453, 16.6462,
3.2335


 58.5983, 94.4453,
44.2489

 3.5370, 9.9826,
1.2151


 78.2687, 121.5921,
61.5663

 1.4437, 5.3874,
0.0000

 101.9116,
153.4981, 82.8985

 0.2870, 2.4763,
0.0000

 129.8922,
190.5477, 108.6640

 0.0000, 0.8647,
0.0000

162.5760,

 0.0000, 0.0000,

233.1253, 139.2813

0.0000

200.3283,
281.6154, 175.1690

■ 19.7681, 37.7165,
12.1994

■ 19.7681, 37.7165,
12.1994

■ 19.7689, 37.7180,
12.2000

■ 20.4636, 38.0271,
14.4458

■ 21.5041, 38.5053,
17.1263

■ 22.9903, 39.2035,
20.2664

■ 24.9742, 40.1482,
23.8872

■ 27.5004, 41.3619,
28.0085

■ 30.6081, 42.8644,
32.6488

■ 34.3329, 44.6739,
37.8258

■ 38.7072, 46.8066,
43.5560

■ 43.7612, 49.2779,
49.8555

Harmonies

Analogous

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



27.0764, 37.7165, 4.7393



19.7681, 37.7165, 12.1994



16.8549, 37.7165, 33.7601

Triad

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



19.7681, 37.7165, 12.1994



33.1970, 37.7165, 154.7161



62.7633, 37.7165, 19.2451

Complementary

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



19.7681, 37.7165, 12.1994



24.8770, 12.4330, 18.8586

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.



65.4813, 37.7165, 49.3584



19.7681, 37.7165, 12.1994



46.3358, 37.7165, 142.2740

Square

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



19.7681, 37.7165, 12.1994



23.3545, 37.7165, 125.1756



58.8950, 37.7165, 97.2181



52.1530, 37.7165, 6.8356

Rectangle

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



19.7681, 37.7165, 12.1994



17.1666, 37.7165, 59.3751



58.8950, 37.7165, 97.2181



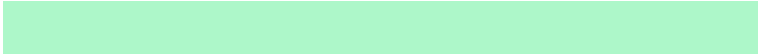
64.7188, 37.7165, 26.9717

Sweetspot

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



19.7690, 37.7180, 12.2003



61.1444, 79.8409, 67.2798



26.5125, 41.3258, 6.5794



12.7761, 17.2159, 13.8831



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



19.7690, 37.7180, 12.2003



35.2974, 67.5076, 21.2832



25.4720, 39.9993, 42.2320



9.5515, 10.7067, 10.8877



13.0274, 24.8012, 8.2071



0.5422, 0.9842, 0.4895

Inverse Universe

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



24.8770, 12.4330, 18.8586



44.4315, 22.2179, 33.1343



21.6673, 11.1491, 1.9565



9.7754, 9.6345, 11.2064



16.3881, 8.1864, 12.6034



0.6726, 0.3329, 0.6550

Previews

White Background



This preview shows how the XYZ color 19.7681, 37.7165, 12.1994 looks on a white background.

Color Contrast Check

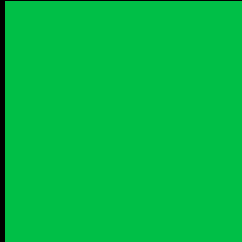
Large Text (above 18pt) WCAG AA × Fail

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 19.7681, 37.7165, 12.1994 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 ✓ Pass

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

XYZ 19.7681, 37.7165, 12.1994

Background



This preview shows how black text looks on a background with the XYZ color 19.7681, 37.7165, 12.1994.



This preview shows how white text looks on a background with the XYZ color 19.7681, 37.7165,

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

19.7681, 37.7165, 12.1994

Protanopia

33.7011, 36.9771, 10.0637

Deuteranopia

37.7686, 36.9427, 13.1227



Tritanopia

28.8063, 37.6682, 56.2045

Trichromacy



Original Color

19.7681, 37.7165, 12.1994



Protanomaly

23.3219, 34.3785, 10.5608



Deuteranomaly

24.6164, 33.5931, 12.3944



Tritanomaly

23.6249, 36.6899, 34.2705

Monochromacy



Original Color

19.7681, 37.7165, 12.1994



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.6576, 23.0536, 16.1949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7681, 37.7165, 12.1994 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, 191, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 71)  
}
```

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, 191, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 71) }
```

Border

The CSS property to change the border of an element to XYZ 19.7681, 37.7165, 12.1994 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, 191, 71) }
```


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

```
.border{ border-color:rgb(0, 191, 71) }
```

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

Here you see how a box with a 4 pixel rgb(0, 191, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 71);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.7681, 37.7165, 12.1994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 71) }
```

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

```
.background{ background-color: rgb(0, 191,  
71) }
```

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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