

Converting Colors

XYZ(20.2151, 37.9826, 14.2819)

Have a look what the booklet for
XYZ(20.2151, 37.9826, 14.2819)
contains.

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Color

**XYZ(20.1538, 37.8708,
14.2302)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF52
RGB	0, 191, 82
RGB Percent	0%, 75%, 32%
CMY	1.0000, 0.2510, 0.6784
CMYK	1.00, 0.00, 0.57, 0.25
HSL	146°, 100%, 37%
HSV	146°, 100%, 75%
XYZ	20.1538, 37.8708, 14.2302
YIQ	121.4650, -78.8470, -74.3910

Conversions

Conversions Part 2

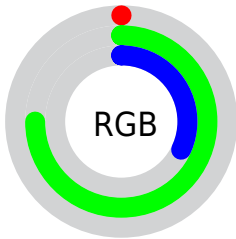
Format	Color
RYB	0, 134, 191
Decimal	48978
CIELab	67.93, -63.59, 43.20
CIELCh	68, 76.879, 145.808
Yxy	37.8708, 0.2789, 0.5241
Android (android.graphics.Color)	4278239058 (0xFF00BF52)
YUV	121.4650, -19.4562, -106.5248
Hunter-Lab	61.5393, -49.2358, 29.3674

Details

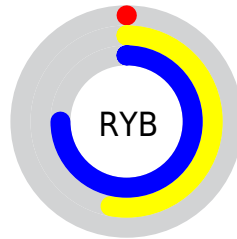
The XYZ color **20.1538, 37.8708, 14.2302** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **24.2475, 12.1813, 15.5435**, and the grayscale version is **18.4054, 19.3639, 21.0873**.

A 20% lighter version of the original color is **43.2158, 72.0693, 34.1873**, and **9.0385, 17.7021, 4.1688** is the 20% darker color. If you saturate the color by 10%, you get **20.1545, 37.8722, 14.2302**, and if you desaturate by 10%, it is **20.8737, 38.1912, 16.6050**.

Distribution



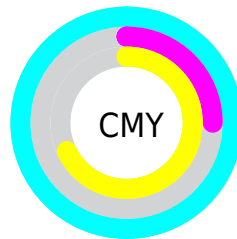
- Red (0%)
- Green (75%)
- Blue (32%)



- Red (0%)
- Yellow (53%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1538, 37.8708, 14.2302 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 20.1538, 37.8708, 14.2302 by changing the saturation by 10% instead.


 20.1538, 37.8708,
14.2302


 20.1538, 37.8708,
14.2302


245.5642,
337.0654, 230.1363


 12.6158, 25.8824,
8.1404

 43.1769, 71.9101,
34.2199


 7.2397, 16.7357,
4.0958


 59.3927, 94.7297,
48.9569


 3.6601, 10.0462,
1.6781


 79.2317, 121.9287,
67.4133

 1.5117, 5.4296,
0.3456

 103.0595,
153.8912, 90.0077

 0.3338, 2.5015,
0.0000

 131.2413,
191.0017, 117.1587

 0.0000, 0.8774,
0.0000

164.1424,

 0.0000, 0.0000,

233.6447, 149.2848

0.0000

202.1283,
282.2045, 186.8044

■ 20.1538, 37.8708,
14.2302

■ 20.1538, 37.8708,
14.2302

■ 20.1545, 37.8722,
14.2302

■ 20.8737, 38.1912,
16.6050

■ 21.9273, 38.6746,
19.3538

■ 23.4140, 39.3730,
22.4963

■ 25.3851, 40.3125,
26.0484

■ 27.8839, 41.5153,
30.0249

■ 30.9489, 43.0008,
34.4398

■ 34.6148, 44.7868,
39.3065

■ 38.9135, 46.8893,
44.6375

■ 43.8743, 49.3233,
50.4452

Harmonies

Analogous

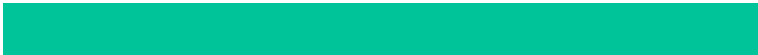
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.8998, 37.8708, 5.8547



20.1538, 37.8708, 14.2302



17.6157, 37.8708, 36.6149

Triad

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



20.1538, 37.8708, 14.2302



34.3435, 37.8708, 147.6519



60.8601, 37.8708, 18.7292

Complementary

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



20.1538, 37.8708, 14.2302



24.2475, 12.1813, 15.5435

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.



64.0767, 37.8708, 46.2279



20.1538, 37.8708, 14.2302



46.9392, 37.8708, 133.2173

Square

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



20.1538, 37.8708, 14.2302



24.5774, 37.8708, 122.9919



58.5102, 37.8708, 90.2951



50.4932, 37.8708, 7.2619

Rectangle

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



20.1538, 37.8708, 14.2302



18.1213, 37.8708, 61.8561



58.5102, 37.8708, 90.2951



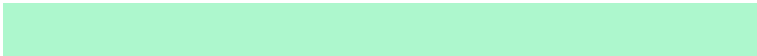
62.8993, 37.8708, 25.7966

Sweetspot

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



20.1547, 37.8723, 14.2311



61.6532, 80.0444, 69.9592



25.2403, 40.6700, 6.5200



12.8983, 17.2649, 14.5271



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.



20.1547, 37.8723, 14.2311



35.9792, 67.7803, 24.8737



26.3780, 40.3617, 47.0026



9.5742, 10.7158, 11.0073



13.2834, 24.9037, 9.5553



0.5531, 0.9886, 0.5471

Inverse Universe

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



24.2475, 12.1813, 15.5435



43.3011, 21.7658, 27.1814



21.5797, 11.1141, 1.4951



9.7521, 9.6251, 11.0837



15.9754, 8.0213, 10.4299



0.6579, 0.3271, 0.5780

Previews

White Background



This preview shows how the XYZ color 20.1538, 37.8708, 14.2302 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 20.1538, 37.8708, 14.2302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

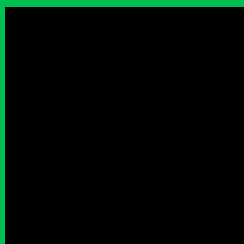
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.1538, 37.8708, 14.2302

Background



This preview shows how black text looks on a background with the XYZ color 20.1538, 37.8708, 14.2302.



This preview shows how white text looks on a background with the XYZ color 20.1538, 37.8708,

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

20.1538, 37.8708, 14.2302

Protanopia

33.8029, 36.9904, 11.8368

Deuteranopia

38.0327, 37.2868, 15.0901



Tritanopia

28.7594, 37.6311, 56.7867

Trichromacy



Original Color

20.1538, 37.8708, 14.2302



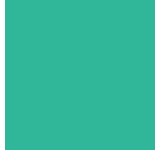
Protanomaly

23.6781, 34.5209, 12.4364



Deuteranomaly

24.8515, 33.6697, 14.4216



Tritanomaly

23.9022, 36.7953, 35.9794

Monochromacy



Original Color

20.1538, 37.8708, 14.2302



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

15.9933, 23.1971, 17.5445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1538, 37.8708, 14.2302 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 82) }
```

Border

The CSS property to change the border of an element to XYZ 20.1538, 37.8708, 14.2302 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, 82) }
```


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

```
.border{ border-color:rgb(0, 191, 82) }
```

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, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 82);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.1538, 37.8708, 14.2302 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, 82) }
```

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

```
.background{ background-color: rgb(0, 191,  
82) }
```

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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