

Converting Colors

XYZ(19.9189, 36.9805, 15.4479)

Have a look what the booklet for
XYZ(19.9189, 36.9805, 15.4479)
contains.

XYZ(20.0008, 37.1165, 15.5612)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.0008, 37.1165,
15.5612)**

Conversions

Conversions Part 1

Format	Color
Hex	00BD59
RGB	0, 189, 89
RGB Percent	0%, 74%, 35%
CMY	1.0000, 0.2588, 0.6510
CMYK	1.00, 0.00, 0.53, 0.26
HSL	148°, 100%, 37%
HSV	148°, 100%, 74%
XYZ	20.0008, 37.1165, 15.5612
YIQ	121.0890, -80.5440, -71.1680

Conversions

Conversions Part 2

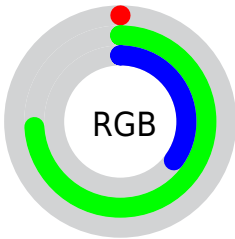
Format	Color
RYB	0, 128, 189
Decimal	48473
CIELab	67.36, -61.93, 39.17
CIELCh	67, 73.275, 147.690
Yxy	37.1165, 0.2752, 0.5107
Android (android.graphics.Color)	4278238553 (0xFF00BD59)
YUV	121.0890, -15.8199, -106.1951
Hunter-Lab	60.9233, -48.0152, 27.5023

Details

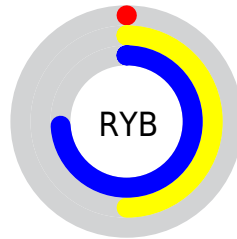
The XYZ color **20.0008, 37.1165, 15.5612** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **23.2880, 11.7398, 13.0978**, and the grayscale version is **18.2725, 19.2240, 20.9350**.

A 20% lighter version of the original color is **43.1055, 71.0413, 36.6397**, and **8.8913, 17.1967, 4.7701** is the 20% darker color. If you saturate the color by 10%, you get **20.0014, 37.1179, 15.5609**, and if you desaturate by 10%, it is **20.7174, 37.4351, 17.9389**.

Distribution



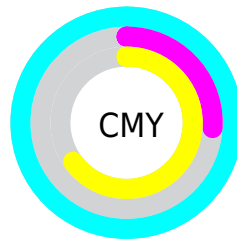
- Red (0%)
- Green (74%)
- Blue (35%)



- Red (0%)
- Yellow (50%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (26%)




- Cyan (100%)
- Magenta (26%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.0008, 37.1165, 15.5612 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 20.0008, 37.1165, 15.5612 by changing the saturation by 10% instead.


 20.0008, 37.1165,
15.5612


 20.0008, 37.1165,
15.5612


244.7529,
333.8146, 238.4950


 12.5039, 25.2977,
9.0632


 42.9225, 70.7519,
36.5909

 7.1625, 16.2990,
4.6851


 59.0779, 93.3373,
51.9596


 3.6111, 9.7360,
2.0082


 78.8503, 120.2804,
71.1223

 1.4846, 5.2243,
0.5603

 102.6049,
151.9656, 94.4976

 0.3153, 2.3794,
0.0000

 130.7071,
188.7772, 122.5040

 0.0000, 0.8153,
0.0000

 163.5223,

 0.0000, 0.0000,

231.0996, 155.5600

0.0000

201.4158,
279.3173, 194.0841

■ 20.0008, 37.1165,
15.5612

■ 20.0008, 37.1165,
15.5612

■ 20.0014, 37.1179,
15.5609

■ 20.7174, 37.4351,
17.9389

■ 21.7512, 37.9093,
20.6399

■ 23.1992, 38.5900,
23.6800

■ 25.1108, 39.5024,
27.0718

■ 27.5276, 40.6677,
30.8270

■ 30.4868, 42.1048,
34.9566

■ 34.0215, 43.8308,
39.4710

■ 38.1624, 45.8611,
44.3804

■ 42.9377, 48.2102,
49.6945

Harmonies

Analogous

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



26.1695, 37.1165, 6.6719



20.0008, 37.1165, 15.5612



17.8091, 37.1165, 37.9732

Triad

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



20.0008, 37.1165, 15.5612



34.4154, 37.1165, 138.9738



58.0468, 37.1165, 17.9585

Complementary

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



20.0008, 37.1165, 15.5612



23.2880, 11.7398, 13.0978

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.



61.5349, 37.1165, 42.9563



20.0008, 37.1165, 15.5612



46.2874, 37.1165, 123.5681

Square

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



20.0008, 37.1165, 15.5612



24.9542, 37.1165, 118.3940



56.8429, 37.1165, 83.2704



48.1167, 37.1165, 7.4500

Rectangle

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



20.0008, 37.1165, 15.5612



18.4526, 37.1165, 62.2552



56.8429, 37.1165, 83.2704



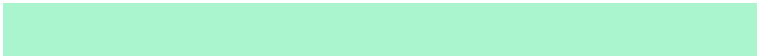
60.0930, 37.1165, 24.3910

Sweetspot

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



20.0017, 37.1180, 15.5620



60.5985, 78.3357, 70.2815



23.5435, 39.1522, 6.3165



12.4344, 16.5539, 14.3655



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.0017, 37.1180, 15.5620



35.7021, 66.4279, 27.2417



26.7148, 39.8033, 50.9129



9.5907, 10.7224, 11.0943



13.4950, 24.9883, 10.6695



0.5617, 0.9920, 0.5920

Inverse Universe

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



23.2880, 11.7398, 13.0978



41.5842, 20.9756, 22.8108



21.0218, 10.8333, 1.1642



9.7354, 9.6185, 10.9956



15.7070, 7.9139, 9.0164



0.6481, 0.3231, 0.5259

Previews

White Background



This preview shows how the XYZ color 20.0008, 37.1165, 15.5612 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 20.0008, 37.1165, 15.5612 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

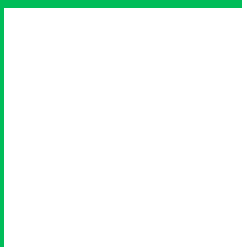
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0008, 37.1165, 15.5612

Background



This preview shows how black text looks on a background with the XYZ color 20.0008, 37.1165, 15.5612.



This preview shows how white text looks on a background with the XYZ color 20.0008, 37.1165,

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

20.0008, 37.1165, 15.5612

Protanopia

33.3676, 36.4769, 12.8715

Deuteranopia

36.9519, 36.1948, 16.5940



Tritanopia

28.1825, 37.0630, 55.5377

Trichromacy



Original Color

20.0008, 37.1165, 15.5612



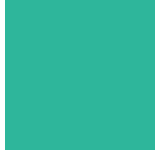
Protanomaly

23.3841, 33.7744, 13.4703



Deuteranomaly

24.3417, 32.8236, 15.8791



Tritanomaly

23.7711, 36.4033, 36.7840

Monochromacy



Original Color

20.0008, 37.1165, 15.5612



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

16.0998, 23.2397, 18.1052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0008, 37.1165, 15.5612 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, 189, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 89)  
}
```

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, 189, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 89) }
```

Border

The CSS property to change the border of an element to XYZ 20.0008, 37.1165, 15.5612 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, 189, 89) }
```


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

```
.border{ border-color:rgb(0, 189, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 189, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.0008, 37.1165, 15.5612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 89) }
```

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

```
.background{ background-color: rgb(0, 189,  
89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor