

Converting Colors

XYZ(20.0013, 37.2795, 6.5976)

Have a look what the booklet for
XYZ(20.0013, 37.2795, 6.5976)
contains.

XYZ(20.0287, 37.3292, 6.6016)	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(20.0287, 37.3292,
6.6016)**

Conversions

Conversions Part 1

Format	Color
Hex	3ABD0F
RGB	58, 189, 15
RGB Percent	23%, 74%, 6%
CMY	0.7726, 0.2588, 0.9411
CMYK	0.69, 0.00, 0.92, 0.26
HSL	105°, 85%, 40%
HSV	105°, 92%, 74%
XYZ	20.0287, 37.3292, 6.6016
YIQ	129.9950, -22.2220, -81.8860

Conversions

Conversions Part 2

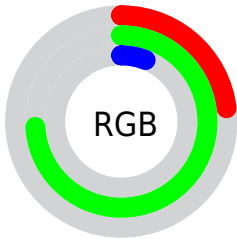
Format	Color
RYB	15, 189, 146
Decimal	3849487
CIELab	67.52, -62.48, 65.44
CIElCh	68, 90.472, 133.675
Yxy	37.3292, 0.3131, 0.5836
Android (android.graphics.Color)	4282039567 (0xFF3ABD0F)
YUV	129.9950, -56.6925, -63.1396
Hunter-Lab	61.0976, -48.4059, 36.3621

Details

The XYZ color **20.0287, 37.3292, 6.6016** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **21.2145, 10.1293, 48.9832**, and the grayscale version is **21.4176, 22.5330, 24.5384**.

A 20% lighter version of the original color is **42.8293, 70.8212, 19.5961**, and **8.5251, 17.0502, 2.8417** is the 20% darker color. If you saturate the color by 10%, you get **19.3565, 36.9938, 6.1203**, and if you desaturate by 10%, it is **21.1756, 37.8983, 7.7061**.

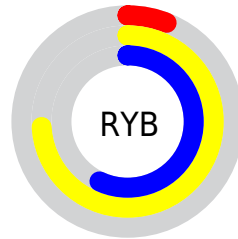
Distribution



Red (23%)

Green (74%)

Blue (6%)



Red (6%)

Yellow (74%)

Blue (57%)

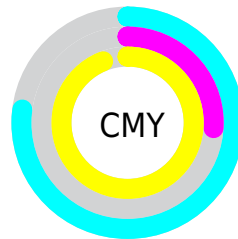


Cyan (69%)

Magenta (0%)

Yellow (92%)

Black (26%)



Cyan (77%)


Magenta (26%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.0287, 37.3292, 6.6016 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 20.0287, 37.3292, 6.6016 by changing the saturation by 10% instead.


 20.0287, 37.3292,
6.6016


 20.0287, 37.3292,
6.6016


244.9010,
334.7336, 173.8144


 12.5243, 25.4625,
3.1396


 42.9689, 71.0788,
19.6662


 7.1765, 16.4220,
1.1663


 59.1353, 93.7305,
30.1058

 3.6201, 9.8232,
0.0000


 78.9199, 120.7459,
43.7084

 1.4895, 5.2819,
0.0000

 102.6879,
152.5095, 60.8924

 0.3187, 2.4136,
0.0000

 130.8046,
189.4057, 82.0765

 0.0000, 0.8329,
0.0000

 163.6355,

 0.0000, 0.0000,

231.8189, 107.6792

0.0000

201.5458,
280.1334, 138.1189

■ 20.0287, 37.3292,
6.6016

■ 20.0287, 37.3292,
6.6016

■ 19.3565, 36.9938,
6.1203

■ 21.1756, 37.8983,
7.7061

■ 22.7171, 38.6525,
9.6095

■ 24.6913, 39.6099,
12.4267

■ 27.1304, 40.7851,
16.2536

■ 30.0634, 42.1913,
21.1738

■ 33.5168, 43.8404,
27.2622

■ 37.5151, 45.7436,
34.5872

■ 42.0813, 47.9114,
43.2117

■ 47.2368, 50.3535,
53.1946

Harmonies

Analogous

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



29.5247, 37.3292, 2.4029



20.0287, 37.3292, 6.6016



15.5033, 37.3292, 22.6911

Triad

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



20.0287, 37.3292, 6.6016



28.4803, 37.3292, 167.3961



68.3334, 37.3292, 25.0911

Complementary

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



20.0287, 37.3292, 6.6016



21.2145, 10.1293, 48.9832

Split Complementary

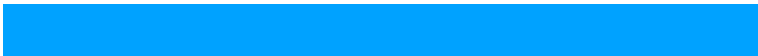
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.8390, 37.3292, 66.2041



20.0287, 37.3292, 6.6016



42.1872, 37.3292, 169.7629

Square

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



20.0287, 37.3292, 6.6016



19.4372, 37.3292, 119.8173



57.3430, 37.3292, 125.0414



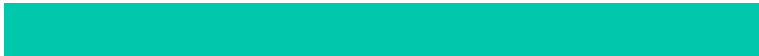
58.5560, 37.3292, 7.3757

Rectangle

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



20.0287, 37.3292, 6.6016



14.9214, 37.3292, 45.7559



57.3430, 37.3292, 125.0414



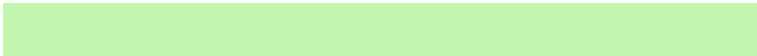
69.4278, 37.3292, 35.9299

Sweetspot

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



20.0296, 37.3308, 6.6024



62.4944, 79.6910, 53.2953



31.2765, 31.2598, 4.8378



12.8067, 16.8358, 10.3168



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.



20.0296, 37.3308, 6.6024



34.4843, 66.1594, 10.9525



19.1725, 36.8092, 10.1661



9.6237, 10.7604, 10.1464



13.0828, 24.9203, 4.1206



0.5742, 1.0080, 0.1643

Inverse Universe

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



21.2145, 10.1293, 48.9832



36.2956, 16.8107, 87.5580



26.3082, 13.2214, 28.1588



9.6935, 9.5744, 12.0093



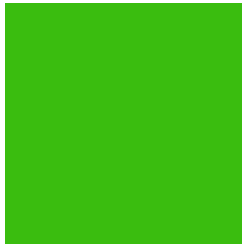
13.7937, 6.3970, 32.9006



0.5964, 0.2795, 1.2914

Previews

White Background



This preview shows how the XYZ color 20.0287, 37.3292, 6.6016 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 20.0287, 37.3292, 6.6016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

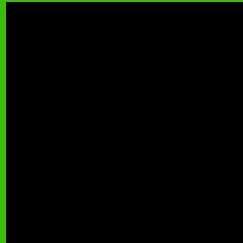
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.0287, 37.3292, 6.6016

Background



This preview shows how black text looks on a background with the XYZ color 20.0287, 37.3292, 6.6016.



This preview shows how white text looks on a background with the XYZ color 20.0287, 37.3292,

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

20.0287, 37.3292, 6.6016

Protanopia

33.0426, 36.7413, 5.3502

Deuteranopia

37.3161, 36.5890, 7.2861



Tritanopia

29.5389, 37.2013, 54.3389

Trichromacy



Original Color

20.0287, 37.3292, 6.6016



Protanomaly

25.4522, 35.3014, 5.6160



Deuteranomaly

27.0283, 34.4171, 6.5851



Tritanomaly

23.7694, 36.3479, 25.5017

Monochromacy



Original Color

20.0287, 37.3292, 6.6016



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

18.5370, 25.7809, 13.2317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0287, 37.3292, 6.6016 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(58, 189, 15)` looks like.

```
.text, #text, p{  
    color:rgb(58, 189, 15)  
}
```

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(58, 189, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 189, 15) }
```

Border

The CSS property to change the border of an element to XYZ 20.0287, 37.3292, 6.6016 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(58, 189, 15) }
```


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

```
.border{ border-color:rgb(58, 189, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 189, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 189, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 189, 15);  
box-shadow:4px 4px 4px 4px rgb(58, 189,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0287, 37.3292, 6.6016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 189, 15) }
```

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

```
.background{ background-color: rgb(58, 189,  
15) }
```

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