

Converting Colors

XYZ(20.2705, 37.3531, 6.9338)

Have a look what the booklet for
XYZ(20.2705, 37.3531, 6.9338)
contains.

XYZ(20.3389, 37.4812, 6.9732)	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(20.3389, 37.4812,
6.9732)**

Conversions

Conversions Part 1

Format	Color
Hex	3EBD17
RGB	62, 189, 23
RGB Percent	24%, 74%, 9%
CMY	0.7569, 0.2588, 0.9098
CMYK	0.67, 0.00, 0.88, 0.26
HSL	106°, 78%, 42%
HSV	106°, 88%, 74%
XYZ	20.3389, 37.4812, 6.9732
YIQ	132.1030, -22.4060, -78.5500

Conversions

Conversions Part 2

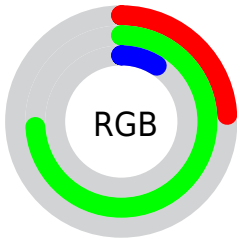
Format	Color
R _Y B	23, 189, 150
Decimal	4111639
CIE Lab	67.64, -61.44, 64.18
CIE LCh	68, 88.848, 133.748
Yxy	37.4812, 0.3139, 0.5785
Android (android.graphics.Color)	4282301719 (0xFF3EBD17)
YUV	132.1030, -53.7878, -61.4803
Hunter-Lab	61.2219, -47.8377, 36.1022

Details

The XYZ color **20.3389, 37.4812, 6.9732** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **22.0724, 10.7727, 49.0621**, and the grayscale version is **22.1645, 23.3188, 25.3941**.

A 20% lighter version of the original color is **43.4285, 71.1117, 20.4538**, and **8.5251, 17.0502, 2.8417** is the 20% darker color. If you saturate the color by 10%, you get **19.4182, 37.0230, 6.2407**, and if you desaturate by 10%, it is **21.6320, 38.1187, 8.3996**.

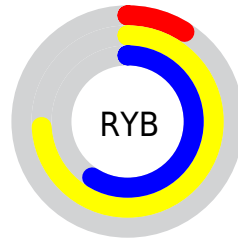
Distribution



Red (24%)

Green (74%)

Blue (9%)



Red (9%)

Yellow (74%)

Blue (59%)

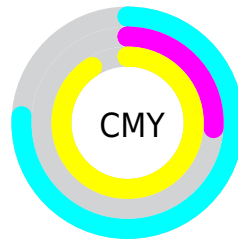


Cyan (67%)

Magenta (0%)

Yellow (88%)

Black (26%)



Cyan (76%)


Magenta (26%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3389, 37.4812, 6.9732 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 20.3389, 37.4812, 6.9732 by changing the saturation by 10% instead.


 20.3389, 37.4812,
6.9732


 20.3389, 37.4812,
6.9732

246.5427,
335.3892, 177.0633


 12.7513, 25.5803,
3.3672


 43.4843, 71.3123,
20.4312


 7.3333, 16.5099,
1.2850


 59.7728, 94.0112,
31.1203

 3.7196, 9.8857,
0.0495


 79.6923, 121.0782,
45.0074

 1.5448, 5.3232,
0.0000

 103.6082,
152.8978, 62.5112

 0.3560, 2.4381,
0.0000

 131.8858,
189.8543, 84.0501

 0.0000, 0.8454,
0.0000

 164.8905,

 0.0000, 0.0000,

232.3321, 110.0428

0.0000

202.9877,
280.7156, 140.9076

■ 20.3389, 37.4812,
6.9732

■ 20.3389, 37.4812,
6.9732

■ 19.4182, 37.0230,
6.2407

■ 21.6320, 38.1187,
8.3996

■ 19.2541, 36.9410,
6.1155

■ 23.3423, 38.9518,
10.6764

■ 25.5065, 39.9982,
13.9097

■ 28.1561, 41.2721,
18.1896

■ 31.3196, 42.7866,
23.5958

■ 35.0234, 44.5536,
30.2003

■ 39.2917, 46.5843,
38.0690

■ 44.1476, 48.8891,
47.2631

■ 49.6124, 51.4778,
57.8398

Harmonies

Analogous

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



29.7247, 37.4812, 2.6416



20.3389, 37.4812, 6.9732



15.8488, 37.4812, 23.1300

Triad

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



20.3389, 37.4812, 6.9732



28.7498, 37.4812, 164.5154



67.8236, 37.4812, 25.3807

Complementary

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



20.3389, 37.4812, 6.9732



22.0724, 10.7727, 49.0621

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.



67.3669, 37.4812, 65.7724



20.3389, 37.4812, 6.9732



42.2580, 37.4812, 166.6867

Square

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



20.3389, 37.4812, 6.9732



19.7837, 37.4812, 118.3523



57.1185, 37.4812, 123.1577



58.2411, 37.4812, 7.7161

Rectangle

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



20.3389, 37.4812, 6.9732



15.2753, 37.4812, 45.9424



57.1185, 37.4812, 123.1577



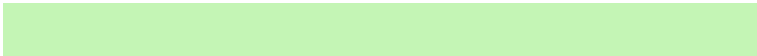
68.9019, 37.4812, 36.0760

Sweetspot

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



20.3398, 37.4828, 6.9740



63.7396, 80.2758, 55.9332



31.6544, 31.9061, 5.3013



13.1785, 17.0112, 11.0704



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.



20.3398, 37.4828, 6.9740



34.3080, 66.0685, 10.9443



19.4919, 36.9550, 11.0324



9.6130, 10.7549, 10.1459



13.0118, 24.8837, 4.1172



0.5696, 1.0056, 0.1641

Inverse Universe

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



22.0724, 10.7727, 49.0621



37.0175, 17.1828, 87.5918



26.5999, 13.5550, 29.0265



9.7049, 9.5803, 12.0099



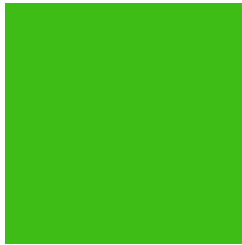
14.0602, 6.5344, 32.9131



0.6049, 0.2839, 1.2918

Previews

White Background



This preview shows how the XYZ color 20.3389, 37.4812, 6.9732 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 20.3389, 37.4812, 6.9732 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 20.3389, 37.4812, 6.9732

Background



This preview shows how black text looks on a background with the XYZ color 20.3389, 37.4812, 6.9732.



This preview shows how white text looks on a background with the XYZ color 20.3389, 37.4812,

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

20.3389, 37.4812, 6.9732

Protanopia

33.1219, 36.7730, 5.7676

Deuteranopia

37.3718, 36.6113, 7.5796



Tritanopia

29.8566, 37.3650, 54.3538

Trichromacy



Original Color

20.3389, 37.4812, 6.9732



Protanomaly

25.8600, 35.5031, 6.0201



Deuteranomaly

27.2895, 34.5433, 6.9795



Tritanomaly

24.2326, 36.5640, 26.5492

Monochromacy



Original Color

20.3389, 37.4812, 6.9732



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.3864, 26.6810, 14.2534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3389, 37.4812, 6.9732 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(62, 189, 23)` looks like.

```
.text, #text, p{  
    color:rgb(62, 189, 23)  
}
```

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(62, 189, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 189, 23) }
```

Border

The CSS property to change the border of an element to XYZ 20.3389, 37.4812, 6.9732 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(62, 189, 23) }
```


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

```
.border{ border-color:rgb(62, 189, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 189, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 189, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 189, 23);  
box-shadow:4px 4px 4px 4px rgb(62, 189,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3389, 37.4812, 6.9732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 189, 23) }
```

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

```
.background{ background-color: rgb(62, 189,  
23) }
```

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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