

Converting Colors

XYZ(20.7486, 37.0535, 7.1323)

Have a look what the booklet for
XYZ(20.7486, 37.0535, 7.1323)
contains.

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Color

**XYZ(20.7276, 37.0410,
7.1558)**

Conversions

Conversions Part 1

Format	Color
Hex	49BB1C
RGB	73, 187, 28
RGB Percent	29%, 73%, 11%
CMY	0.7137, 0.2667, 0.8902
CMYK	0.61, 0.00, 0.85, 0.27
HSL	103°, 74%, 42%
HSV	103°, 85%, 73%
XYZ	20.7276, 37.0410, 7.1558
YIQ	134.7880, -16.9050, -73.6170

Conversions

Conversions Part 2

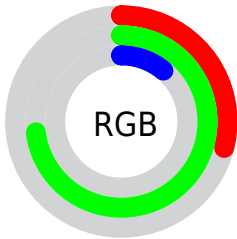
Format	Color
R _Y B	28, 187, 142
Decimal	4832028
CIE Lab	67.31, -58.13, 62.92
CIE LCh	67, 85.663, 132.731
Yxy	37.0410, 0.3193, 0.5705
Android (android.graphics.Color)	4283022108 (0xFF49BB1C)
YUV	134.7880, -52.6465, -54.1881
Hunter-Lab	60.8613, -45.7154, 35.6319

Details

The XYZ color **20.7276, 37.0410, 7.1558** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **20.5431, 10.1709, 47.8962**, and the grayscale version is **23.1451, 24.3505, 26.5177**.

A 20% lighter version of the original color is **44.1455, 70.5735, 20.7465**, and **8.2513, 16.5025, 2.7504** is the 20% darker color. If you saturate the color by 10%, you get **19.6610, 36.5106, 6.2783**, and if you desaturate by 10%, it is **22.1538, 37.7430, 8.7762**.

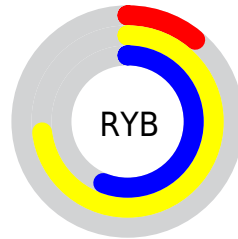
Distribution



Red (29%)

Green (73%)

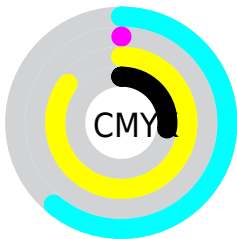
Blue (11%)



Red (11%)

Yellow (73%)

Blue (56%)

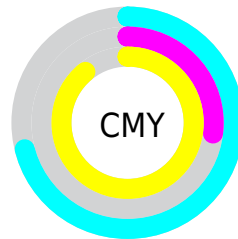


Cyan (61%)

Magenta (0%)

Yellow (85%)

Black (27%)



Cyan (71%)


Magenta (27%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7276, 37.0410, 7.1558 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 20.7276, 37.0410, 7.1558 by changing the saturation by 10% instead.


 20.7276, 37.0410,
7.1558


 20.7276, 37.0410,
7.1558


248.5865,
333.4880, 178.6318


 13.0364, 25.2392,
3.4798


 44.1284, 70.6358,
20.8041


 7.5308, 16.2554,
1.3445


 60.5688, 93.1977,
31.6136


 3.8455, 9.7051,
0.0979


 80.6561, 120.1151,
45.6379

 1.6151, 5.2038,
0.0000

 104.7559,
151.7723, 63.2957

 0.4022, 2.3674,
0.0000

 133.2335,
188.5538, 85.0054

 0.0000, 0.8090,
0.0000

 166.4542,

 0.0000, 0.0000,

230.8440, 111.1856

0.0000

204.7834,
279.0273, 142.2549

■ 20.7276, 37.0410,
7.1558

■ 20.7276, 37.0410,
7.1558

■ 19.6610, 36.5106,
6.2783

■ 22.1538, 37.7430,
8.7762

■ 19.2349, 36.2968,
5.9922

■ 23.9725, 38.6276,
11.2559

■ 26.2148, 39.7098,
14.6933

■ 28.9079, 41.0017,
19.1728

■ 32.0763, 42.5145,
24.7695

■ 35.7428, 44.2583,
31.5517

■ 39.9285, 46.2427,
39.5821

■ 44.6534, 48.4767,
48.9191

■ 49.9363, 50.9688,
59.6174

Harmonies

Analogous

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



29.9407, 37.0410, 2.9512



20.7276, 37.0410, 7.1558



16.2108, 37.0410, 22.4784

Triad

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



20.7276, 37.0410, 7.1558



28.2437, 37.0410, 155.9317



65.9457, 37.0410, 26.4280

Complementary

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



20.7276, 37.0410, 7.1558



20.5431, 10.1709, 47.8962

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.



65.1640, 37.0410, 65.7698



20.7276, 37.0410, 7.1558



41.0558, 37.0410, 159.6037

Square

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



20.7276, 37.0410, 7.1558



19.7521, 37.0410, 111.7840



55.2202, 37.0410, 119.9486



57.1470, 37.0410, 8.5091

Rectangle

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



20.7276, 37.0410, 7.1558



15.5595, 37.0410, 43.8676



55.2202, 37.0410, 119.9486



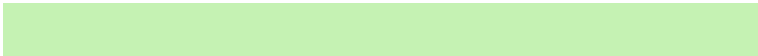
66.8475, 37.0410, 36.9904

Sweetspot

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



20.7285, 37.0426, 7.1566



63.0391, 78.8008, 54.6760



30.3705, 29.9819, 5.2856



13.3663, 17.1080, 11.0792



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.



20.7285, 37.0426, 7.1566



34.2490, 64.9020, 10.7222



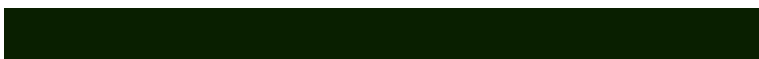
19.1324, 36.1421, 10.5914



9.6555, 10.7768, 10.1479



13.3146, 25.0398, 4.1314



0.5880, 1.0151, 0.1649

Inverse Universe

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



20.5431, 10.1709, 47.8962



33.4536, 15.3902, 85.4088



26.6230, 13.6814, 31.1822



9.6597, 9.5569, 12.0078



13.0370, 6.0069, 32.8652



0.5717, 0.2667, 1.2902

Previews

White Background



This preview shows how the XYZ color 20.7276, 37.0410, 7.1558 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 20.7276, 37.0410, 7.1558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

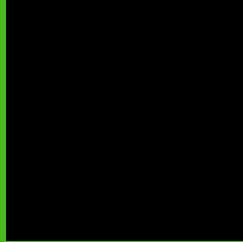
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.7276, 37.0410, 7.1558

Background



This preview shows how black text looks on a background with the XYZ color 20.7276, 37.0410, 7.1558.



This preview shows how white text looks on a background with the XYZ color 20.7276, 37.0410,

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

20.7276, 37.0410, 7.1558

Protanopia

32.7610, 36.3158, 5.9924

Deuteranopia

36.9705, 36.1538, 7.7191



Tritanopia

29.9221, 36.8460, 53.1119

Trichromacy



Original Color

20.7276, 37.0410, 7.1558



Protanomaly

26.2451, 35.4106, 6.3158



Deuteranomaly

27.7295, 34.4936, 7.2039



Tritanomaly

24.6636, 36.1791, 26.8024

Monochromacy



Original Color

20.7276, 37.0410, 7.1558



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.3490, 27.4005, 15.2826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7276, 37.0410, 7.1558 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(73, 187, 28)` looks like.

```
.text, #text, p{  
    color:rgb(73, 187, 28)  
}
```

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(73, 187, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 187, 28) }
```

Border

The CSS property to change the border of an element to XYZ 20.7276, 37.0410, 7.1558 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(73, 187, 28) }
```


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

```
.border{ border-color:rgb(73, 187, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 187, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 187, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 187, 28);  
box-shadow:4px 4px 4px 4px rgb(73, 187,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7276, 37.0410, 7.1558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 187, 28) }
```

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

```
.background{ background-color: rgb(73, 187,  
28) }
```

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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