

Converting Colors

XYZ(32.4313, 46.2358, 11.2316)

Have a look what the booklet for
XYZ(32.4313, 46.2358, 11.2316)
contains.

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Color

**XYZ(32.4070, 46.2577,
11.2236)**

Conversions

Conversions Part 1

Format	Color
Hex	91C53A
RGB	145, 197, 58
RGB Percent	57%, 77%, 23%
CMY	0.4314, 0.2274, 0.7725
CMYK	0.26, 0.00, 0.71, 0.23
HSL	82°, 55%, 50%
HSV	82°, 71%, 77%
XYZ	32.4070, 46.2577, 11.2236
YIQ	165.6060, 13.6270, -54.2530

Conversions

Conversions Part 2

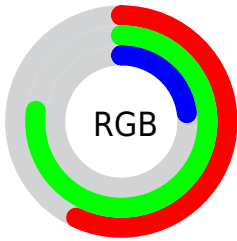
Format	Color
RYB	58, 197, 110
Decimal	9553210
CIELab	73.71, -37.39, 60.90
CIELCh	74, 71.462, 121.546
Yxy	46.2577, 0.3605, 0.5146
Android (android.graphics.Color)	4287743290 (0xFF91C53A)
YUV	165.6060, -53.0498, -18.0715
Hunter-Lab	68.0130, -33.9707, 37.8250

Details

The XYZ color **32.4070, 46.2577, 11.2236** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **18.0235, 10.3737, 53.8783**, and the grayscale version is **36.2997, 38.1901, 41.5890**.

A 20% lighter version of the original color is **62.7796, 84.6324, 28.6496**, and **13.9423, 21.7688, 3.4670** is the 20% darker color. If you saturate the color by 10%, you get **30.7420, 45.4481, 9.0117**, and if you desaturate by 10%, it is **34.3502, 47.1915, 14.4509**.

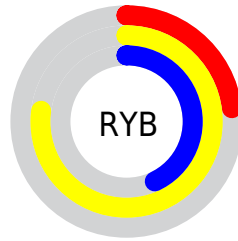
Distribution



Red (57%)

Green (77%)

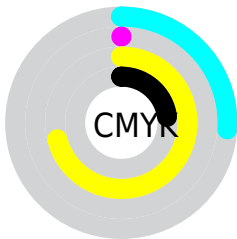
Blue (23%)



Red (23%)

Yellow (77%)

Blue (43%)

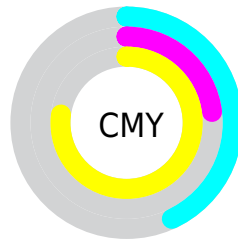


Cyan (26%)

Magenta (0%)

Yellow (71%)

Black (23%)



Cyan (43%)


Magenta (23%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4070, 46.2577, 11.2236 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 32.4070, 46.2577, 11.2236 by changing the saturation by 10% instead.


 32.4070, 46.2577,
11.2236


 32.4070, 46.2577,
11.2236


304.6816,
371.8437, 209.9874

 21.8296, 32.4492,
6.1014


 62.8095, 84.6045,
28.7158


 13.8477, 21.7049,
2.8370


 83.3653, 109.9117,
41.9230


 8.0958, 13.6402,
1.0120


 107.9780,
139.8205, 58.6621

 4.2086, 7.8708,
0.0000

 137.0129,
174.7154, 79.3518

 1.8208, 4.0124,
0.0000

 170.8353,
214.9808, 104.4107

 0.5302, 1.6805,
0.0000

209.8107,

 0.0000, 0.4110,

261.0011, 134.2572

0.0000

254.3043,
313.1606, 169.3099

■ 0.0000, 0.0000,
0.0000

■ 32.4070, 46.2577,
11.2236

■ 32.4070, 46.2577,
11.2236

■ 30.7420, 45.4481,
9.0117

■ 34.3502, 47.1915,
14.4509

■ 29.3270, 44.7465,
7.6898

■ 36.5894, 48.2521,
18.7939

■ 28.1783, 44.1675,
7.0400

■ 39.1443, 49.4490,
24.3439

■ 42.0320, 50.7893,
31.1823

■ 45.2677, 52.2792,
39.3832

■ 48.8661, 53.9247,
49.0151

■ 52.8404, 55.7314,
60.1420

■ 57.2036, 57.7045,
72.8238

■ 61.9675, 59.8490,
87.1175

Harmonies

Analogous

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



43.3122, 46.2577, 7.8501



32.4070, 46.2577, 11.2236



25.8291, 46.2577, 23.8900

Triad

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



32.4070, 46.2577, 11.2236



33.3453, 46.2577, 140.0503



73.1119, 46.2577, 48.5069

Complementary

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



32.4070, 46.2577, 11.2236



18.0235, 10.3737, 53.8783

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.



69.0682, 46.2577, 91.4869



32.4070, 46.2577, 11.2236



44.6274, 46.2577, 157.3422

Square

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



32.4070, 46.2577, 11.2236



26.2931, 46.2577, 96.4294



57.9922, 46.2577, 136.3592



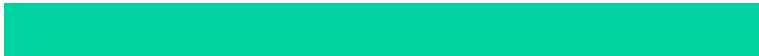
68.1834, 46.2577, 21.9605

Rectangle

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



32.4070, 46.2577, 11.2236



23.9946, 46.2577, 40.7848



57.9922, 46.2577, 136.3592



72.7531, 46.2577, 61.3429

Sweetspot

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



32.4081, 46.2597, 11.2246



80.6050, 93.4145, 69.3187



29.2565, 23.1076, 6.9219



16.8942, 19.8298, 13.9131



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.4081, 46.2597, 11.2246



53.5485, 80.6494, 14.5995



23.7545, 41.7987, 10.8196



11.1245, 12.2111, 11.3334



18.6282, 29.0985, 4.6348



0.9603, 1.4182, 0.2231

Inverse Universe

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



18.0235, 10.3737, 53.8783



26.4062, 12.5686, 95.6420



30.0603, 16.5788, 54.4417



10.4254, 10.4775, 13.3904



8.5569, 3.6455, 34.9970



0.4852, 0.2139, 1.6609

Previews

White Background



This preview shows how the XYZ color 32.4070, 46.2577, 11.2236 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 32.4070, 46.2577, 11.2236 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 32.4070, 46.2577, 11.2236

Background



This preview shows how black text looks on a background with the XYZ color 32.4070, 46.2577, 11.2236.



This preview shows how white text looks on a background with the XYZ color 32.4070, 46.2577,

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

32.4070, 46.2577, 11.2236

Protanopia

41.5468, 45.8706, 10.1542

Deuteranopia

46.6274, 45.5386, 11.6425



Tritanopia

42.3496, 46.0859, 60.6962

Trichromacy



Original Color

32.4070, 46.2577, 11.2236

Protanomaly

37.5160, 45.6402, 10.4466

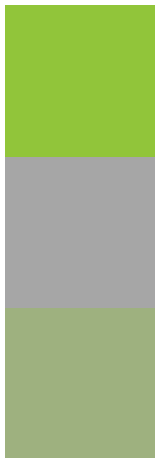
Deuteranomaly

40.0116, 44.7484, 11.3790

Tritanomaly

37.2532, 45.6012, 34.8554

Monochromacy



Original Color

32.4070, 46.2577, 11.2236

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

33.6535, 40.2457, 26.0731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4070, 46.2577, 11.2236 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(145, 197, 58)` looks like.

```
.text, #text, p{  
    color:rgb(145, 197, 58)  
}
```

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(145, 197, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 197, 58) }
```

Border

The CSS property to change the border of an element to XYZ 32.4070, 46.2577, 11.2236 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(145, 197, 58) }
```


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

```
.border{ border-color:rgb(145, 197, 58) }
```

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

Here you see how a box with a 4 pixel rgb(145, 197, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 197, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 197, 58);  
box-shadow:4px 4px 4px 4px rgb(145, 197,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4070, 46.2577, 11.2236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 197, 58) }
```

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

```
.background{ background-color: rgb(145,  
197, 58) }
```

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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