

Converting Colors

XYZ(32.1483, 47.4322, 14.1175)

Have a look what the booklet for
XYZ(32.1483, 47.4322, 14.1175)
contains.

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Color

**XYZ(32.1483, 47.4322,
14.1175)**

Conversions

Conversions Part 1

Format	Color
Hex	87C94B
RGB	135, 201, 75
RGB Percent	53%, 79%, 29%
CMY	0.4706, 0.2117, 0.7059
CMYK	0.33, 0.00, 0.63, 0.21
HSL	91°, 54%, 54%
HSV	91°, 63%, 79%
XYZ	32.1483, 47.4322, 14.1175
YIQ	166.9020, 1.1100, -53.1780

Conversions

Conversions Part 2

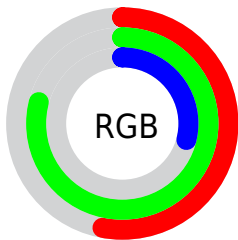
Format	Color
RYB	75, 201, 141
Decimal	8898891
CIELab	74.47, -41.57, 54.75
CIELCh	74, 68.739, 127.206
Yxy	47.4322, 0.3431, 0.5062
Android (android.graphics.Color)	4287088971 (0xFF87C94B)
YUV	166.9020, -45.3077, -27.9781
Hunter-Lab	68.8710, -37.2023, 36.0562

Details

The XYZ color **32.1483, 47.4322, 14.1175** 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 **24.0454, 14.9133, 56.8723**, and the grayscale version is **36.8973, 38.8189, 42.2737**.

A 20% lighter version of the original color is **61.4607, 84.3114, 33.8033**, and **13.6734, 22.2977, 4.0352** is the 20% darker color. If you saturate the color by 10%, you get **29.9553, 46.3705, 10.9739**, and if you desaturate by 10%, it is **34.7285, 48.6714, 18.4154**.

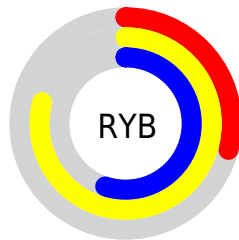
Distribution



Red (53%)

Green (79%)

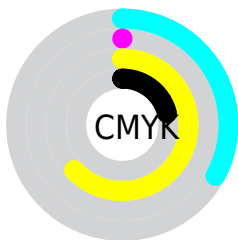
Blue (29%)



Red (29%)

Yellow (79%)

Blue (55%)

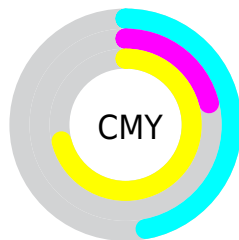


Cyan (33%)

Magenta (0%)

Yellow (63%)

Black (21%)



Cyan (47%)


Magenta (21%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1483, 47.4322, 14.1175 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 32.1483, 47.4322, 14.1175 by changing the saturation by 10% instead.


 32.1483, 47.4322,
14.1175


 32.1483, 47.4322,
14.1175


303.5276,
376.5371, 229.4144

 21.6309, 33.3775,
8.0628


 62.4071, 86.3584,
34.0175

 13.7010, 22.4158,
4.0468


 82.8793, 111.9987,
48.6998


 7.9933, 14.1627,
1.6510

 107.4004,
142.2695, 67.0951

 4.1424, 8.2339,
0.3269

 136.3358,
177.5554, 89.6218

 1.7830, 4.2450,
0.0000

 170.0508,
218.2407, 116.6986

 0.5074, 1.8115,
0.0000

208.9109,

 0.0000, 0.4943,

264.7098, 148.7439

0.0000

253.2814,
317.3472, 186.1763

■ 0.0000, 0.0000,
0.0000

■ 32.1483, 47.4322,
14.1175

■ 32.1483, 47.4322,
14.1175

■ 29.9553, 46.3705,
10.9739

■ 34.7285, 48.6714,
18.4154

■ 28.1199, 45.4690,
8.8691

■ 37.7156, 50.0916,
23.9622

■ 26.6126, 44.7169,
7.6695

■ 41.1318, 51.7039,
30.8464

■ 25.6810, 44.2464,
7.1869

■ 44.9964, 53.5165,
39.1473

■ 49.3275, 55.5370,
48.9383

■ 54.1420, 57.7727,
60.2875

■ 59.4558, 60.2305,
73.2591

■ 65.2843, 62.9169,
87.9133

■ 71.4954, 65.7795,
103.5362

Harmonies

Analogous

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



42.1579, 47.4322, 9.2055



32.1483, 47.4322, 14.1175



26.4816, 47.4322, 29.4518

Triad

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



32.1483, 47.4322, 14.1175



36.4626, 47.4322, 143.6329



73.1142, 47.4322, 43.5453

Complementary

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



32.1483, 47.4322, 14.1175



24.0454, 14.9133, 56.8723

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.



70.8283, 47.4322, 82.8725



32.1483, 47.4322, 14.1175



48.1402, 47.4322, 153.3221

Square

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



32.1483, 47.4322, 14.1175



28.6351, 47.4322, 104.9141



61.0909, 47.4322, 127.3515



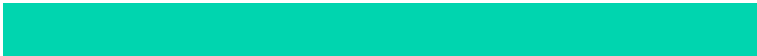
66.8629, 47.4322, 20.3826

Rectangle

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



32.1483, 47.4322, 14.1175



25.2162, 47.4322, 48.3883



61.0909, 47.4322, 127.3515



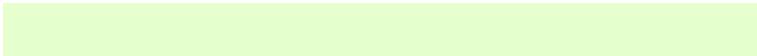
73.3353, 47.4322, 55.0459

Sweetspot

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



32.1494, 47.4343, 14.1185



79.4788, 92.7632, 72.4596



34.7520, 31.7127, 10.9468



16.5667, 19.6472, 14.5178



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.



32.1494, 47.4343, 14.1185



50.1604, 78.8376, 17.3867



25.1328, 43.8086, 14.1716



10.9698, 12.1314, 11.3262



16.2508, 27.8729, 4.5235



0.8530, 1.3628, 0.2181

Inverse Universe

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



24.0454, 14.9133, 56.8723



35.1658, 18.7443, 96.3723



36.9026, 21.5698, 56.1931



10.5780, 10.5562, 13.3975



10.4199, 4.6059, 35.0842



0.5766, 0.2610, 1.6651

Previews

White Background



This preview shows how the XYZ color 32.1483, 47.4322, 14.1175 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 32.1483, 47.4322, 14.1175 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 32.1483, 47.4322, 14.1175

Background



This preview shows how black text looks on a background with the XYZ color 32.1483, 47.4322, 14.1175.



This preview shows how white text looks on a background with the XYZ color 32.1483, 47.4322,

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

32.1483, 47.4322, 14.1175

Protanopia

42.6676, 47.0057, 12.6185

Deuteranopia

47.5562, 46.5192, 14.6562



Tritanopia

41.8996, 47.0505, 63.3732

Trichromacy



Original Color

32.1483, 47.4322, 14.1175

Protanomaly

37.9433, 46.7598, 13.1566

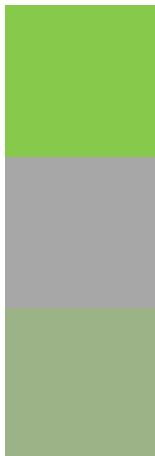
Deuteranomaly

40.1197, 45.6526, 14.2867

Tritanomaly

36.9248, 46.6512, 38.5109

Monochromacy



Original Color

32.1483, 47.4322, 14.1175

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

33.9407, 40.9300, 28.6657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1483, 47.4322, 14.1175 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(135, 201, 75)` looks like.

```
.text, #text, p{  
    color:rgb(135, 201, 75)  
}
```

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(135, 201, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 201, 75) }
```

Border

The CSS property to change the border of an element to XYZ 32.1483, 47.4322, 14.1175 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(135, 201, 75) }
```


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

```
.border{ border-color:rgb(135, 201, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 201, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 201, 75); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 201, 75); box-shadow:4px 4px 4px 4px rgb(135, 201, 75) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1483, 47.4322, 14.1175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 201, 75) }
```

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

```
.background{ background-color: rgb(135,  
201, 75) }
```

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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