

Converting Colors

XYZ(32.0491, 49.2076, 23.5176)

Have a look what the booklet for
XYZ(32.0491, 49.2076, 23.5176)
contains.

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Color

**XYZ(32.1035, 49.3286,
23.4521)**

Conversions

Conversions Part 1

Format	Color
Hex	71CF71
RGB	113, 207, 113
RGB Percent	44%, 81%, 44%
CMY	0.5569, 0.1882, 0.5569
CMYK	0.45, 0.00, 0.45, 0.19
HSL	120°, 49%, 63%
HSV	120°, 45%, 81%
XYZ	32.1035, 49.3286, 23.4521
YIQ	168.1780, -25.8500, -49.1620

Conversions

Conversions Part 2

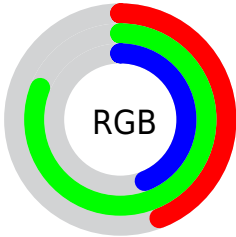
Format	Color
RYB	113, 207, 207
Decimal	7458673
CIELab	75.66, -46.86, 38.14
CIELCh	76, 60.416, 140.855
Yxy	49.3286, 0.3061, 0.4703
Android (android.graphics.Color)	4285648753 (0xFF71CF71)
YUV	168.1780, -27.2028, -48.3911
Hunter-Lab	70.2343, -41.3193, 29.3664

Details

The XYZ color **32.1035, 49.3286, 23.4521** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **42.9012, 29.5815, 62.4816**, and the grayscale version is **37.4465, 39.3967, 42.9030**.

A 20% lighter version of the original color is **59.2205, 82.8192, 48.9409**, and **13.7010, 23.6276, 8.5411** is the 20% darker color. If you saturate the color by 10%, you get **28.7025, 47.6964, 17.8882**, and if you desaturate by 10%, it is **36.3801, 51.3844, 30.4464**.

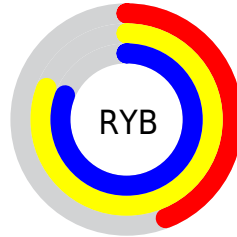
Distribution



Red (44%)

Green (81%)

Blue (44%)



Red (44%)

Yellow (81%)

Blue (81%)

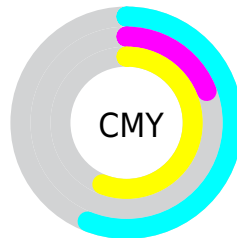


Cyan (45%)

Magenta (0%)

Yellow (45%)

Black (19%)



Cyan (56%)

Magenta (19%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1035, 49.3286, 23.4521 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 32.1035, 49.3286, 23.4521 by changing the saturation by 10% instead.

■ 32.1035, 49.3286,
23.4521

■ 32.1035, 49.3286,
23.4521

303.3274,
384.0345, 283.2355

■ 21.5965, 34.8802,
14.7193

■ 62.3374, 89.1793,
50.0672

■ 13.6757, 23.5706,
8.4782

■ 82.7950, 115.3504,
68.7865

■ 7.9756, 15.0154,
4.3103

■ 107.3002,
146.1979, 91.6717

■ 4.1310, 8.8302,
1.7971

136.2184,
182.1061, 119.1414

■ 1.7765, 4.6306,
0.4260

169.9148,
223.4595, 151.6141

■ 0.5035, 2.0322,
0.0000

208.7549,

■ 0.0000, 0.6261,

270.6424, 189.5083

0.0000

253.1039,
324.0393, 233.2426

■ 0.0000, 0.0000,
0.0000

■ 32.1035, 49.3286,
23.4521

■ 32.1035, 49.3286,
23.4521

■ 28.7025, 47.6964,
17.8882

■ 36.3801, 51.3844,
30.4464

■ 26.1133, 46.4527,
13.6531

■ 41.5831, 53.8836,
38.9568

■ 24.2694, 45.5670,
10.6369


■ 47.7638, 56.8525,
49.0665


■ 23.0920, 45.0014,
8.7110


■ 54.9687, 60.3134,
60.8513

■ 22.4848, 44.7097,
7.7176

■ 63.2413, 64.2871,
74.3824

 22.3138, 44.6276,
7.4380

 72.6224, 68.7934,
89.7269

 81.6038, 73.1076,
104.4179

Harmonies

Analogous

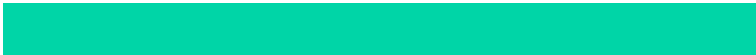
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.6370, 49.3286, 14.2609



32.1035, 49.3286, 23.4521



28.6937, 49.3286, 44.5026

Triad

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



32.1035, 49.3286, 23.4521



43.5491, 49.3286, 140.3763



69.9956, 49.3286, 34.6289

Complementary

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



32.1035, 49.3286, 23.4521



42.9012, 29.5815, 62.4816

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.



71.4898, 49.3286, 64.1082



32.1035, 49.3286, 23.4521



54.9675, 49.3286, 134.2941

Square

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



32.1035, 49.3286, 23.4521



34.5751, 49.3286, 117.0532



65.6243, 49.3286, 102.7407



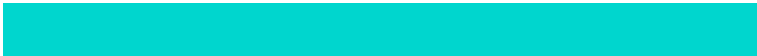
61.8174, 49.3286, 18.6999

Rectangle

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



32.1035, 49.3286, 23.4521



28.7741, 49.3286, 66.1673



65.6243, 49.3286, 102.7407



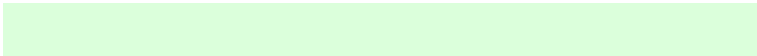
71.3422, 49.3286, 42.9243

Sweetspot

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



32.1047, 49.3307, 23.4532



77.8896, 91.7570, 80.8312



51.0277, 59.0858, 24.3383



16.1696, 19.3987, 16.4802



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.



32.1047, 49.3307, 23.4532



46.3652, 76.6142, 29.2674



35.4693, 50.6765, 41.1709



11.6564, 13.2063, 12.5468



14.0581, 28.1162, 4.6861



0.7860, 1.5721, 0.2620

Inverse Universe

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



42.9012, 29.5815, 62.4816



65.6859, 41.2724, 99.1100



37.9838, 27.6146, 36.5870



12.3109, 12.0091, 14.9127



23.3080, 11.1960, 38.1236



1.3032, 0.6260, 2.1316

Previews

White Background



This preview shows how the XYZ color 32.1035, 49.3286, 23.4521 looks on a white background.

Color Contrast Check

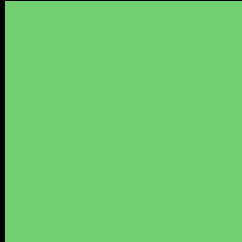
Large Text (above 18pt) WCAG AA × Fail

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 32.1035, 49.3286, 23.4521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

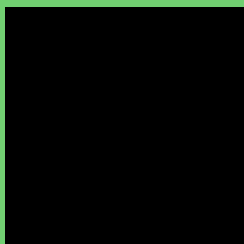
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.1035, 49.3286, 23.4521

Background



This preview shows how black text looks on a background with the XYZ color 32.1035, 49.3286, 23.4521.



This preview shows how white text looks on a background with the XYZ color 32.1035, 49.3286,

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

32.1035, 49.3286, 23.4521

Protanopia

44.5274, 48.4144, 20.3627

Deuteranopia

49.5437, 48.4883, 24.5172



Tritanopia

41.2965, 49.2199, 69.6112

Trichromacy



Original Color

32.1035, 49.3286, 23.4521



Protanomaly

38.3543, 47.7687, 21.3861



Deuteranomaly

40.7225, 47.3181, 23.8166



Tritanomaly

37.0949, 48.8788, 48.5537

Monochromacy



Original Color

32.1035, 49.3286, 23.4521



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.2860, 41.8899, 34.2955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1035, 49.3286, 23.4521 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(113, 207, 113)` looks like.

```
.text, #text, p{  
    color:rgb(113, 207, 113)  
}
```

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(113, 207, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 207, 113) }
```

Border

The CSS property to change the border of an element to XYZ 32.1035, 49.3286, 23.4521 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(113, 207, 113) }
```


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

```
.border{ border-color:rgb(113, 207, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 207, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 207, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 207, 113);  
box-shadow:4px 4px 4px 4px rgb(113, 207,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1035, 49.3286, 23.4521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 207, 113) }
```

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

```
.background{ background-color: rgb(113,  
207, 113) }
```

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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