

Converting Colors

XYZ(29.4679, 41.1774, 21.9706)

Have a look what the booklet for
XYZ(29.4679, 41.1774, 21.9706)
contains.

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Color

**XYZ(29.5034, 41.2449,
22.0289)**

Conversions

Conversions Part 1

Format	Color
Hex	7FBB71
RGB	127, 187, 113
RGB Percent	50%, 73%, 44%
CMY	0.5020, 0.2667, 0.5569
CMYK	0.32, 0.00, 0.40, 0.27
HSL	109°, 35%, 59%
HSV	109°, 40%, 73%
XYZ	29.5034, 41.2449, 22.0289
YIQ	160.6240, -12.0060, -35.7340

Conversions

Conversions Part 2

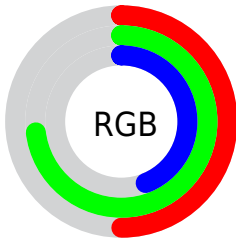
Format	Color
RYB	113, 187, 173
Decimal	8371057
CIELab	70.35, -33.64, 31.46
CIELCh	70, 46.063, 136.917
Yxy	41.2449, 0.3180, 0.4446
Android (android.graphics.Color)	4286561137 (0xFF7FBB71)
YUV	160.6240, -23.4786, -29.4882
Hunter-Lab	64.2222, -30.3867, 24.6184

Details

The XYZ color **29.5034, 41.2449, 22.0289** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **32.1101, 24.2836, 50.0106**, and the grayscale version is **33.8121, 35.5730, 38.7390**.

A 20% lighter version of the original color is **58.5250, 77.3996, 47.9314**, and **12.2146, 18.6411, 7.8048** is the 20% darker color. If you saturate the color by 10%, you get **26.4666, 39.7900, 16.9461**, and if you desaturate by 10%, it is **33.0991, 42.9654, 28.2719**.

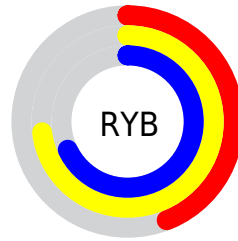
Distribution



Red (50%)

Green (73%)

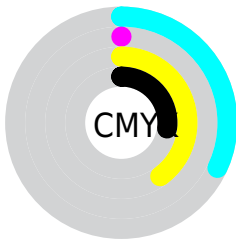
Blue (44%)



Red (44%)

Yellow (73%)

Blue (68%)

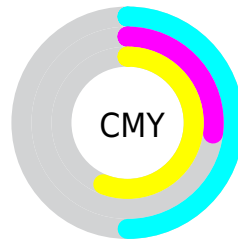


Cyan (32%)

Magenta (0%)

Yellow (40%)

Black (27%)



Cyan (50%)

Magenta (27%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5034, 41.2449, 22.0289 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 29.5034, 41.2449, 22.0289 by changing the saturation by 10% instead.

■ 29.5034, 41.2449,
22.0289

■ 29.5034, 41.2449,
22.0289

291.5343,
351.3431, 275.6556

■ 19.6082, 28.5105,
13.6796

■ 58.2680, 77.0555,
47.6966

■ 12.2171, 18.7108,
7.7620

■ 77.8680, 100.9005,
65.8520

■ 6.9650, 11.4615,
3.8574

■ 101.4337,
129.2179, 88.1133

■ 3.4863, 6.3782,
1.5475

■ 129.3304,
162.3919, 114.8989

■ 1.4159, 3.0764,
0.2529

161.9235,
200.8071, 146.6274

■ 0.2675, 1.1717,
0.0000

199.5782,

■ 0.0000, 0.0384,

244.8477, 183.7173

0.0000

242.6601,
294.8983, 226.5872

■ 0.0000, 0.0000,
0.0000

■ 29.5034, 41.2449,
22.0289

■ 29.5034, 41.2449,
22.0289

■ 26.4666, 39.7900,
16.9461

■ 33.0991, 42.9654,
28.2719

■ 23.9571, 38.5821,
12.9495

■ 37.2771, 44.9583,
35.7377

■ 21.9446, 37.6087,
9.9606


■ 42.0632, 47.2369,
44.4877


■ 20.3946, 36.8539,
7.8894


■ 47.4806, 49.8119,
54.5783


■ 19.2677, 36.2997,
6.6298


■ 53.5514, 52.6936,
66.0626


 18.5039, 35.9195,
5.9809

 60.2966, 55.8917,
78.9907

 18.4771, 35.9062,
5.9567

 67.7361, 59.4155,
93.4105

 74.6403, 62.7743,
102.7904

 77.0611, 64.0222,
102.9037

Harmonies

Analogous

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



35.1174, 41.2449, 15.6680



29.5034, 41.2449, 22.0289



26.6650, 41.2449, 36.1180

Triad

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



29.5034, 41.2449, 22.0289



35.9986, 41.2449, 98.9779



54.8415, 41.2449, 33.8384

Complementary

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



29.5034, 41.2449, 22.0289



32.1101, 24.2836, 50.0106

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.



55.1573, 41.2449, 55.0212



29.5034, 41.2449, 22.0289



43.5917, 41.2449, 97.7607

Square

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



29.5034, 41.2449, 22.0289



30.0767, 41.2449, 82.7522



50.8225, 41.2449, 79.8239



50.0084, 41.2449, 20.8252

Rectangle

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



29.5034, 41.2449, 22.0289



26.4553, 41.2449, 50.1180



50.8225, 41.2449, 79.8239



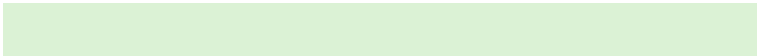
55.4994, 41.2449, 40.0734

Sweetspot

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



29.5044, 41.2467, 22.0298



72.9767, 83.4768, 75.3370



38.2665, 41.3401, 21.5860



15.8182, 18.2628, 16.1272



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.



29.5044, 41.2467, 22.0298



48.3137, 71.6995, 31.8508



28.9689, 40.8081, 29.3465



9.5727, 10.7341, 10.1440



12.7767, 24.7625, 4.1062



0.5521, 0.9966, 0.1633

Inverse Universe

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



32.1101, 24.2836, 50.0106



53.5662, 37.2937, 88.5766



33.1735, 25.0855, 38.5971



9.7482, 9.6026, 12.0119



15.1112, 7.0762, 32.9623



0.6384, 0.3011, 1.2933

Previews

White Background



This preview shows how the XYZ color 29.5034, 41.2449, 22.0289 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 29.5034, 41.2449, 22.0289 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 29.5034, 41.2449, 22.0289

Background



This preview shows how black text looks on a background with the XYZ color 29.5034, 41.2449, 22.0289.



This preview shows how white text looks on a background with the XYZ color 29.5034, 41.2449,

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

29.5034, 41.2449, 22.0289

Protanopia

37.7103, 40.7522, 19.7883

Deuteranopia

41.4473, 40.6963, 22.8102



Tritanopia

36.4193, 41.3093, 55.9232

Trichromacy



Original Color

29.5034, 41.2449, 22.0289

Protanomaly

33.9995, 40.5477, 20.5025

Deuteranomaly

35.8094, 39.9961, 22.3557

Tritanomaly

33.2881, 40.9263, 40.7954

Monochromacy



Original Color

29.5034, 41.2449, 22.0289

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

31.8032, 37.1526, 31.8805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5034, 41.2449, 22.0289 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(127, 187, 113)` looks like.

```
.text, #text, p{  
    color:rgb(127, 187, 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(127, 187, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 187, 113) }
```

Border

The CSS property to change the border of an element to XYZ 29.5034, 41.2449, 22.0289 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(127, 187, 113) }
```


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

```
.border{ border-color:rgb(127, 187, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 187, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 187, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 187, 113); box-shadow:4px 4px 4px 4px rgb(127, 187, 113) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5034, 41.2449, 22.0289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 187, 113) }
```

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

```
.background{ background-color: rgb(127,  
187, 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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