

Converting Colors

XYZ(29.1266, 41.3749, 24.1745)

Have a look what the booklet for
XYZ(29.1266, 41.3749, 24.1745)
contains.

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Color

**XYZ(29.1191, 41.3156,
24.2093)**

Conversions

Conversions Part 1

Format	Color
Hex	78BC78
RGB	120, 188, 120
RGB Percent	47%, 74%, 47%
CMY	0.5294, 0.2627, 0.5294
CMYK	0.36, 0.00, 0.36, 0.26
HSL	120°, 34%, 60%
HSV	120°, 36%, 74%
XYZ	29.1191, 41.3156, 24.2093
YIQ	159.9160, -18.7000, -35.5640

Conversions

Conversions Part 2

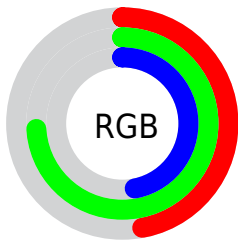
Format	Color
RYB	120, 188, 188
Decimal	7912568
CIELab	70.40, -35.33, 27.80
CIElCh	70, 44.955, 141.807
Yxy	41.3156, 0.3077, 0.4365
Android (android.graphics.Color)	4286102648 (0xFF78BC78)
YUV	159.9160, -19.6786, -35.0063
Hunter-Lab	64.2772, -31.6204, 22.6631

Details

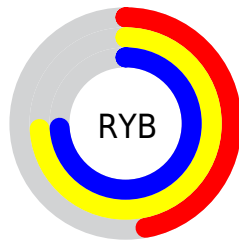
The XYZ color **29.1191, 41.3156, 24.2093** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **36.5339, 27.7559, 51.0102**, and the grayscale version is **33.4697, 35.2128, 38.3467**.

A 20% lighter version of the original color is **57.8744, 77.4359, 51.4315**, and **11.9453, 18.6857, 8.7715** is the 20% darker color. If you saturate the color by 10%, you get **25.7322, 39.6899, 18.6686**, and if you desaturate by 10%, it is **33.2441, 43.2983, 30.9556**.

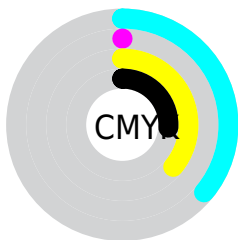
Distribution



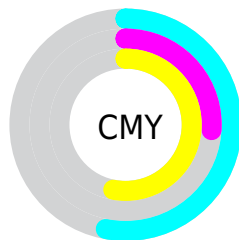
- Red (47%)
- Green (74%)
- Blue (47%)



- Red (47%)
- Yellow (74%)
- Blue (74%)



- Cyan (36%)
- Magenta (0%)
- Yellow (36%)
- Black (26%)



- Cyan (53%)
- Magenta (26%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1191, 41.3156, 24.2093 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 29.1191, 41.3156, 24.2093 by changing the saturation by 10% instead.

■ 29.1191, 41.3156,
24.2093

■ 29.1191, 41.3156,
24.2093

289.7606,
351.6379, 287.1975

■ 19.3157, 28.5658,
15.2753

■ 57.6625, 77.1628,
51.3196

■ 12.0040, 18.7526,
8.8641

■ 77.1332, 101.0289,
70.3331

■ 6.8186, 11.4916,
4.5570

■ 100.5570,
129.3692, 93.5434

■ 3.3942, 6.3985,
1.9356

128.2993,
162.5681, 121.3692

■ 1.3655, 3.0889,
0.5153

160.7255,
201.0101, 154.2289

■ 0.2314, 1.1783,
0.0000

198.2008,

■ 0.0000, 0.0439,

245.0794, 192.5412

0.0000

241.0907,
295.1606, 236.7246

■ 0.0000, 0.0000,
0.0000

■ 29.1191, 41.3156,
24.2093

■ 29.1191, 41.3156,
24.2093

■ 25.7322, 39.6899,
18.6686

■ 33.2441, 43.2983,
30.9556

■ 23.0369, 38.3953,
14.2600

■ 38.1437, 45.6518,
38.9697

■ 20.9866, 37.4104,
10.9062


■ 43.8558, 48.3957,
48.3130

■ 19.5273, 36.7094,
8.5191


■ 50.4152, 51.5464,
59.0418


■ 18.5965, 36.2623,
6.9966


■ 57.8542, 55.1198,
71.2095

 18.1136, 36.0304,
6.2067

 66.2037, 59.1305,
84.8665

 17.9841, 35.9681,
5.9948

 75.4931, 63.5926,
100.0607

 77.2741, 64.4481,
102.9747

Harmonies

Analogous

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



34.2197, 41.3156, 16.7771



29.1191, 41.3156, 24.2093



26.8079, 41.3156, 39.4274

Triad

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



29.1191, 41.3156, 24.2093



37.2772, 41.3156, 98.5401



54.0081, 41.3156, 31.4885

Complementary

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



29.1191, 41.3156, 24.2093



36.5339, 27.7559, 51.0102

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.



55.0944, 41.3156, 51.0432



29.1191, 41.3156, 24.2093



44.7926, 41.3156, 94.3853

Square

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



29.1191, 41.3156, 24.2093



31.1160, 41.3156, 85.1885



51.5402, 41.3156, 75.1606



48.7352, 41.3156, 19.9676

Rectangle

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



29.1191, 41.3156, 24.2093



26.9288, 41.3156, 53.8445



51.5402, 41.3156, 75.1606



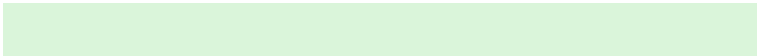
54.8994, 41.3156, 37.1560

Sweetspot

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



29.1202, 41.3173, 24.2102



74.1053, 85.1249, 78.7673



42.1143, 48.0161, 24.8178



15.6378, 18.1625, 16.4507



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.



29.1202, 41.3173, 24.2102



48.0288, 72.5989, 36.1145



31.5628, 42.2944, 37.0729



9.4088, 10.6496, 10.1364



12.2439, 24.4879, 4.0814



0.4796, 0.9592, 0.1599

Inverse Universe

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



36.5339, 27.7559, 51.0102



63.3474, 44.5776, 91.4898



33.2895, 26.4581, 33.9252



9.9300, 9.6963, 12.0204



20.3001, 9.7512, 33.2035



0.7952, 0.3820, 1.3006

Previews

White Background



This preview shows how the XYZ color 29.1191, 41.3156, 24.2093 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 29.1191, 41.3156, 24.2093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

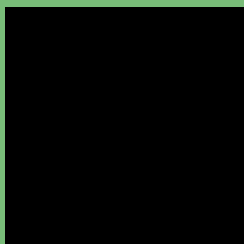
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1191, 41.3156, 24.2093

Background



This preview shows how black text looks on a background with the XYZ color 29.1191, 41.3156, 24.2093.



This preview shows how white text looks on a background with the XYZ color 29.1191, 41.3156,

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

29.1191, 41.3156, 24.2093

Protanopia

37.7932, 40.7572, 21.4978

Deuteranopia

41.6057, 40.7281, 25.0705



Tritanopia

35.5773, 41.1588, 56.5214

Trichromacy



Original Color

29.1191, 41.3156, 24.2093

Protanomaly

33.7748, 40.3866, 22.5383

Deuteranomaly

35.7523, 40.2014, 24.6142

Tritanomaly

32.6641, 40.8762, 42.2447

Monochromacy



Original Color

29.1191, 41.3156, 24.2093

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.1626, 36.8135, 32.2513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1191, 41.3156, 24.2093 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(120, 188, 120)` looks like.

```
.text, #text, p{  
    color:rgb(120, 188, 120)  
}
```

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(120, 188, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 188, 120) }
```

Border

The CSS property to change the border of an element to XYZ 29.1191, 41.3156, 24.2093 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(120, 188, 120) }
```


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

```
.border{ border-color:rgb(120, 188, 120) }
```

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

Here you see how a box with a 4 pixel rgb(120, 188, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 188, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 188, 120);  
box-shadow:4px 4px 4px 4px rgb(120, 188,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1191, 41.3156, 24.2093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 188, 120) }
```

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

```
.background{ background-color: rgb(120,  
188, 120) }
```

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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