

Converting Colors

XYZ(29.0472, 41.5088, 23.8964)

Have a look what the booklet for
XYZ(29.0472, 41.5088, 23.8964)
contains.

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Color

**XYZ(29.1351, 41.6490,
23.9563)**

Conversions

Conversions Part 1

Format	Color
Hex	77BD77
RGB	119, 189, 119
RGB Percent	47%, 74%, 47%
CMY	0.5333, 0.2588, 0.5333
CMYK	0.37, 0.00, 0.37, 0.26
HSL	120°, 35%, 60%
HSV	120°, 37%, 74%
XYZ	29.1351, 41.6490, 23.9563
YIQ	160.0900, -19.2500, -36.6100

Conversions

Conversions Part 2

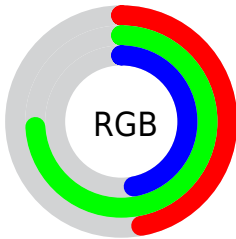
Format	Color
RYB	119, 189, 189
Decimal	7847287
CIELab	70.63, -36.27, 28.62
CIELCh	71, 46.200, 141.723
Yxy	41.6490, 0.3075, 0.4396
Android (android.graphics.Color)	4286037367 (0xFF77BD77)
YUV	160.0900, -20.2574, -36.0359
Hunter-Lab	64.5360, -32.3534, 23.1663

Details

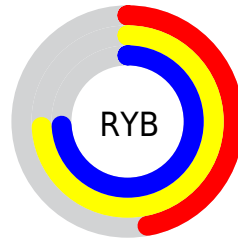
The XYZ color **29.1351, 41.6490, 23.9563** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **36.7697, 27.6873, 51.5516**, and the grayscale version is **33.5528, 35.3002, 38.4419**.

A 20% lighter version of the original color is **57.8577, 77.8888, 51.0143**, and **11.9849, 18.9159, 8.6497** is the 20% darker color. If you saturate the color by 10%, you get **25.7702, 40.0339, 18.4516**, and if you desaturate by 10%, it is **33.2436, 43.6238, 30.6758**.

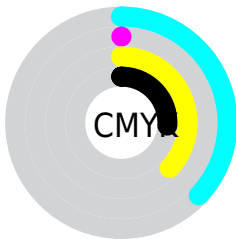
Distribution



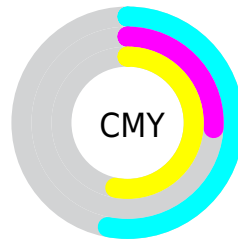
- Red (47%)
- Green (74%)
- Blue (47%)



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



- Cyan (37%)
- Magenta (0%)
- Yellow (37%)
- Black (26%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1351, 41.6490, 23.9563 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 29.1351, 41.6490, 23.9563 by changing the saturation by 10% instead.

■ 29.1351, 41.6490,
23.9563

■ 29.1351, 41.6490,
23.9563

289.8346,
353.0258, 285.8789

■ 19.3278, 28.8265,
15.0893

■ 57.6877, 77.6681,
50.9018

■ 12.0128, 18.9496,
8.7348

■ 77.1638, 101.6336,
69.8174

■ 6.8247, 11.6339,
4.4741

■ 100.5936,
130.0822, 92.9196

■ 3.3980, 6.4949,
1.8889

128.3423,
163.3983, 120.6270

■ 1.3676, 3.1483,
0.4857

160.7755,
201.9663, 153.3581

■ 0.2330, 1.2096,
0.0000

198.2583,

■ 0.0000, 0.0696,

246.1707, 191.5314

0.0000

241.1562,
296.3957, 235.5655

■ 0.0000, 0.0000,
0.0000

■ 29.1351, 41.6490,
23.9563

■ 29.1351, 41.6490,
23.9563

■ 25.7702, 40.0339,
18.4516

■ 33.2436, 43.6238,
30.6758

■ 23.1017, 38.7521,
14.0867

■ 38.1333, 45.9725,
38.6736

■ 21.0817, 37.7818,
10.7825


■ 43.8426, 48.7150,
48.0121


■ 19.6549, 37.0965,
8.4488


■ 50.4068, 51.8681,
58.7490

■ 18.7572, 36.6652,
6.9803


■ 57.8591, 55.4479,
70.9385

 18.2992, 36.4452,
6.2310

 66.2308, 59.4692,
84.6317

 18.1984, 36.3968,
6.0662

 75.5517, 63.9465,
99.8776

 77.4884, 64.8768,
103.0461

Harmonies

Analogous

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



34.3928, 41.6490, 16.4127



29.1351, 41.6490, 23.9563



26.7529, 41.6490, 39.5564

Triad

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



29.1351, 41.6490, 23.9563



37.5083, 41.6490, 101.0409



54.8657, 41.6490, 31.4882

Complementary

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



29.1351, 41.6490, 23.9563



36.7697, 27.6873, 51.5516

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.



55.9801, 41.6490, 51.6804



29.1351, 41.6490, 23.9563



45.2776, 41.6490, 96.7525

Square

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



29.1351, 41.6490, 23.9563



31.1636, 41.6490, 87.0560



52.2780, 41.6490, 76.7313



49.4040, 41.6490, 19.6855

Rectangle

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



29.1351, 41.6490, 23.9563



26.8713, 41.6490, 54.4478



52.2780, 41.6490, 76.7313



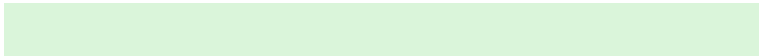
55.7870, 41.6490, 37.3243

Sweetspot

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



29.1362, 41.6508, 23.9572



74.1053, 85.1248, 78.7672



42.5154, 48.5480, 24.5829



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.



29.1362, 41.6508, 23.9572



47.4447, 72.3184, 35.1591



31.6392, 42.6520, 37.1379



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.



36.7697, 27.6873, 51.5516



62.9952, 43.8731, 91.3725



33.4170, 26.3463, 33.8969



9.9300, 9.6963, 12.0204



20.3001, 9.7512, 33.2036



0.7952, 0.3820, 1.3006

Previews

White Background



This preview shows how the XYZ color 29.1351, 41.6490, 23.9563 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 29.1351, 41.6490, 23.9563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

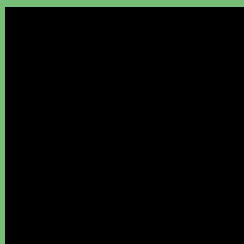
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1351, 41.6490, 23.9563

Background



This preview shows how black text looks on a background with the XYZ color 29.1351, 41.6490, 23.9563.



This preview shows how white text looks on a background with the XYZ color 29.1351, 41.6490,

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

29.1351, 41.6490, 23.9563

Protanopia

38.1707, 41.2397, 21.2775

Deuteranopia

41.9951, 41.2029, 24.8084



Tritanopia

35.7317, 41.5241, 57.1706

Trichromacy



Original Color

29.1351, 41.6490, 23.9563



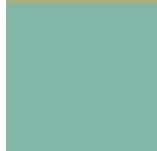
Protanomaly

33.9152, 40.7600, 22.2996



Deuteranomaly

35.8825, 40.5615, 24.3503



Tritanomaly

32.8106, 41.2462, 42.7912

Monochromacy



Original Color

29.1351, 41.6490, 23.9563



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.3508, 37.1899, 32.3141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1351, 41.6490, 23.9563 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(119, 189, 119)` looks like.

```
.text, #text, p{  
    color:rgb(119, 189, 119)  
}
```

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(119, 189, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 189, 119) }
```

Border

The CSS property to change the border of an element to XYZ 29.1351, 41.6490, 23.9563 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(119, 189, 119) }
```


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

```
.border{ border-color:rgb(119, 189, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 189, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 189, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 189, 119);  
box-shadow:4px 4px 4px 4px rgb(119, 189,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1351, 41.6490, 23.9563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 189, 119) }
```

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

```
.background{ background-color: rgb(119,  
189, 119) }
```

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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