

Converting Colors

XYZ(29.8580, 44.0058, 23.1411)

Have a look what the booklet for
XYZ(29.8580, 44.0058, 23.1411)
contains.

XYZ(29.8121, 43.9810, 23.1376)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.8121, 43.9810,
23.1376)**

Conversions

Conversions Part 1

Format	Color
Hex	74C373
RGB	116, 195, 115
RGB Percent	45%, 76%, 45%
CMY	0.5451, 0.2353, 0.5490
CMYK	0.41, 0.00, 0.41, 0.24
HSL	119°, 40%, 61%
HSV	119°, 41%, 76%
XYZ	29.8121, 43.9810, 23.1376
YIQ	162.2590, -21.4040, -41.6280

Conversions

Conversions Part 2

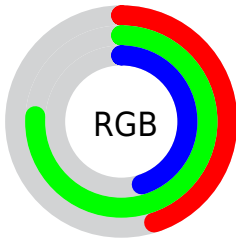
Format	Color
RYB	115, 195, 194
Decimal	7652211
CIELab	72.22, -40.52, 32.75
CIElCh	72, 52.099, 141.055
Yxy	43.9810, 0.3076, 0.4537
Android (android.graphics.Color)	4285842291 (0xFF74C373)
YUV	162.2590, -23.2987, -40.5691
Hunter-Lab	66.3182, -35.8154, 25.7372

Details

The XYZ color **29.8121, 43.9810, 23.1376** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **38.2312, 27.6723, 54.9583**, and the grayscale version is **34.5781, 36.3789, 39.6166**.

A 20% lighter version of the original color is **58.6729, 81.1059, 49.6084**, and **12.4035, 20.4235, 8.2894** is the 20% darker color. If you saturate the color by 10%, you get **26.5070, 42.3947, 17.7324**, and if you desaturate by 10%, it is **33.8874, 45.9395, 29.8197**.

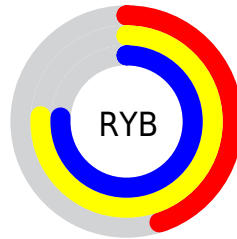
Distribution



Red (45%)

Green (76%)

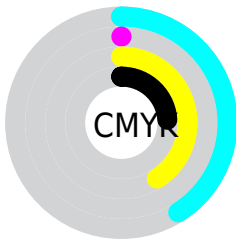
Blue (45%)



Red (45%)

Yellow (76%)

Blue (76%)

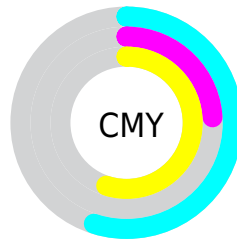


Cyan (41%)

Magenta (0%)

Yellow (41%)

Black (24%)



Cyan (55%)

Magenta (24%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8121, 43.9810, 23.1376 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 29.8121, 43.9810, 23.1376 by changing the saturation by 10% instead.

■ 29.8121, 43.9810,
23.1376

■ 29.8121, 43.9810,
23.1376

292.9532,
362.6307, 281.5757

■ 19.8434, 30.6556,
14.4889

■ 58.7536, 81.1892,
49.5452

■ 12.3888, 20.3367,
8.3189

■ 78.4570, 105.8407,
68.1412

■ 7.0832, 12.6400,
4.2090

■ 102.1361,
135.0363, 90.8900

■ 3.5610, 7.1812,
1.7407

130.1561,
169.1605, 118.2103

■ 1.4569, 3.5756,
0.3884

162.8825,
208.5977, 150.5204

■ 0.2962, 1.4391,
0.0000

200.6806,

■ 0.0000, 0.2453,

253.7322, 188.2390

0.0000

243.9157,
304.9484, 231.7846

■ 0.0000, 0.0000,
0.0000

■ 29.8121, 43.9810,
23.1376

■ 29.8121, 43.9810,
23.1376

■ 26.5070, 42.3947,
17.7324

■ 33.8874, 45.9395,
29.8197

■ 23.9206, 41.1519,
13.5201

■ 38.7736, 48.2858,
37.8497

■ 22.0004, 40.2288,
10.4114


■ 44.5124, 51.0411,
47.2969


■ 20.6856, 39.5963,
8.3029


■ 51.1417, 54.2236,
58.2251


■ 19.9039, 39.2197,
7.0722

■ 58.6972, 57.8504,
70.6939

 19.5464, 39.0476,
6.5067

 67.2125, 61.9377,
84.7601

 76.7198, 66.5009,
100.4771

 78.8060, 67.5119,
103.4853

Harmonies

Analogous

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



35.9282, 43.9810, 15.0794



29.8121, 43.9810, 23.1376



27.0224, 43.9810, 40.6368

Triad

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



29.8121, 43.9810, 23.1376



39.1875, 43.9810, 114.8045



59.9762, 43.9810, 32.2945

Complementary

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



29.8121, 43.9810, 23.1376



38.2312, 27.6723, 54.9583

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.



61.1777, 43.9810, 55.9539



29.8121, 43.9810, 23.1376



48.2848, 43.9810, 110.0581

Square

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



29.8121, 43.9810, 23.1376



31.9055, 43.9810, 97.2636



56.6414, 43.9810, 85.9582



53.5602, 43.9810, 18.9052

Rectangle

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



29.8121, 43.9810, 23.1376



27.1047, 43.9810, 57.9577



56.6414, 43.9810, 85.9582



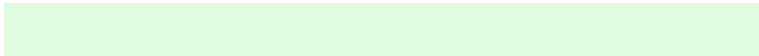
61.0361, 43.9810, 39.0576

Sweetspot

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



29.8132, 43.9829, 23.1386



78.4457, 90.8002, 82.6086



44.8198, 51.2775, 23.7556



16.8642, 19.7332, 17.5722



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.



29.8132, 43.9829, 23.1386



48.1488, 76.2512, 32.8619



32.3918, 44.9990, 37.4063



9.9558, 11.2647, 10.7114



12.7089, 25.3805, 4.2291



0.5532, 1.0987, 0.1829

Inverse Universe

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



38.2312, 27.6723, 54.9583



65.2091, 43.1832, 97.3681



34.6669, 26.2763, 34.8467



10.4845, 10.2409, 12.7089



20.6298, 9.8955, 34.3793



0.8954, 0.4296, 1.4856

Previews

White Background



This preview shows how the XYZ color 29.8121, 43.9810, 23.1376 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 29.8121, 43.9810, 23.1376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

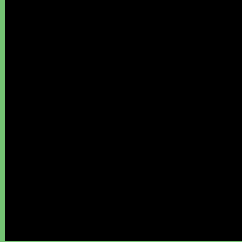
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8121, 43.9810, 23.1376

Background



This preview shows how black text looks on a background with the XYZ color 29.8121, 43.9810, 23.1376.



This preview shows how white text looks on a background with the XYZ color 29.8121, 43.9810,

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

29.8121, 43.9810, 23.1376

Protanopia

39.9703, 43.3398, 20.4461

Deuteranopia

44.2175, 43.4580, 24.1469



Tritanopia

37.4472, 43.8546, 61.1347

Trichromacy



Original Color

29.8121, 43.9810, 23.1376



Protanomaly

35.1126, 42.9072, 21.4702



Deuteranomaly

37.1547, 42.4028, 23.6791



Tritanomaly

34.1114, 43.7718, 44.1871

Monochromacy



Original Color

29.8121, 43.9810, 23.1376



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.9239, 38.3362, 32.5051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8121, 43.9810, 23.1376 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(116, 195, 115)` looks like.

```
.text, #text, p{  
    color:rgb(116, 195, 115)  
}
```

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(116, 195, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 195, 115) }
```

Border

The CSS property to change the border of an element to XYZ 29.8121, 43.9810, 23.1376 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(116, 195, 115) }
```


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

```
.border{ border-color:rgb(116, 195, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 195, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 195, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 195, 115);  
box-shadow:4px 4px 4px 4px rgb(116, 195,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8121, 43.9810, 23.1376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 195, 115) }
```

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

```
.background{ background-color: rgb(116,  
195, 115) }
```

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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