

Converting Colors

XYZ(29.0964, 40.6584, 24.3578)

Have a look what the booklet for
XYZ(29.0964, 40.6584, 24.3578)
contains.

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Color

**XYZ(29.1785, 40.7092,
24.4090)**

Conversions

Conversions Part 1

Format	Color
Hex	7BBA79
RGB	123, 186, 121
RGB Percent	48%, 73%, 47%
CMY	0.5176, 0.2706, 0.5255
CMYK	0.34, 0.00, 0.35, 0.27
HSL	118°, 32%, 60%
HSV	118°, 35%, 73%
XYZ	29.1785, 40.7092, 24.4090
YIQ	159.7530, -16.6830, -33.5710

Conversions

Conversions Part 2

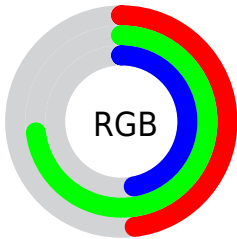
Format	Color
RYB	121, 186, 184
Decimal	8108665
CIELab	69.97, -33.27, 26.73
CIELCh	70, 42.680, 141.220
Yxy	40.7092, 0.3094, 0.4317
Android (android.graphics.Color)	4286298745 (0xFF7BBA79)
YUV	159.7530, -19.1052, -32.2324
Hunter-Lab	63.8038, -30.0256, 21.9804

Details

The XYZ color **29.1785, 40.7092, 24.4090** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **35.4692, 27.4115, 49.8779**, and the grayscale version is **33.3914, 35.1304, 38.2570**.

A 20% lighter version of the original color is **57.5236, 75.9074, 51.6642**, and **12.0195, 18.3100, 9.0316** is the 20% darker color. If you saturate the color by 10%, you get **25.8004, 39.0883, 18.8600**, and if you desaturate by 10%, it is **33.2536, 42.6664, 31.1403**.

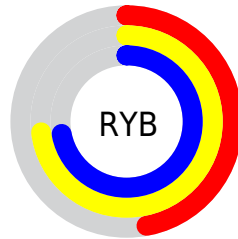
Distribution



Red (48%)

Green (73%)

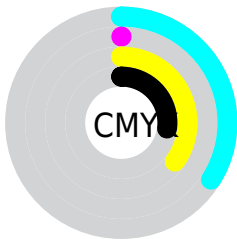
Blue (47%)



Red (47%)

Yellow (73%)

Blue (72%)

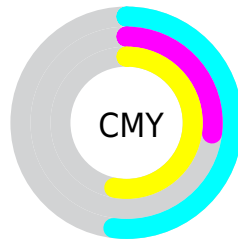


Cyan (34%)

Magenta (0%)

Yellow (35%)

Black (27%)



Cyan (52%)

Magenta (27%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1785, 40.7092, 24.4090 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 29.1785, 40.7092, 24.4090 by changing the saturation by 10% instead.

■ 29.1785, 40.7092,
24.4090

■ 29.1785, 40.7092,
24.4090

290.0353,
349.1038, 288.2346

■ 19.3609, 28.0919,
15.4223

■ 57.7562, 76.2423,
51.6490

■ 12.0369, 18.3950,
8.9664

■ 77.2469, 99.9268,
70.7393

■ 6.8412, 11.2339,
4.6228

■ 100.6927,
128.0693, 94.0347

■ 3.4084, 6.2244,
1.9728

128.4589,
161.0540, 121.9535

■ 1.3732, 2.9820,
0.5385

160.9110,
199.2655, 154.9144

■ 0.2370, 1.1223,
0.0000

198.4141,

■ 0.0000, 0.0000,

243.0880, 193.3358

0.0000

241.3338,
292.9059, 237.6364

■ 29.1785, 40.7092,
24.4090

■ 29.1785, 40.7092,
24.4090

■ 25.8004, 39.0883,
18.8600

■ 33.2536, 42.6664,
31.1403

■ 23.0774, 37.7799,
14.4227

■ 38.0583, 44.9718,
39.1139

■ 20.9679, 36.7655,
11.0229


■ 43.6270, 47.6431,
48.3888


■ 19.4243, 36.0223,
8.5765


■ 49.9910, 50.6951,
59.0196


■ 18.3920, 35.5242,
6.9861

■ 57.1798, 54.1421,
71.0577

 17.8054, 35.2401,
6.1335

 65.2214, 57.9974,
84.5518

 17.6313, 35.1563,
5.8566

 74.1426, 62.2737,
99.5483

 76.8497, 63.5994,
102.8332

Harmonies

Analogous

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



34.0528, 40.7092, 17.3561



29.1785, 40.7092, 24.4090



26.9271, 40.7092, 38.7342

Triad

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



29.1785, 40.7092, 24.4090



36.6879, 40.7092, 93.9544



52.5416, 40.7092, 31.8609

Complementary

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



29.1785, 40.7092, 24.4090



35.4692, 27.4115, 49.8779

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.



53.4665, 40.7092, 50.4303



29.1785, 40.7092, 24.4090



43.7364, 40.7092, 90.4553

Square

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



29.1785, 40.7092, 24.4090



30.9088, 40.7092, 81.3746



50.0787, 40.7092, 72.8915



47.6850, 40.7092, 20.6757

Rectangle

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



29.1785, 40.7092, 24.4090



27.0049, 40.7092, 52.2008



50.0787, 40.7092, 72.8915



53.3439, 40.7092, 37.2848

Sweetspot

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



29.1795, 40.7109, 24.4099



73.6290, 83.7409, 78.6298



40.8085, 46.0334, 24.8243



15.9045, 18.2925, 16.7997



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.



29.1795, 40.7109, 24.4099



48.0353, 71.4580, 36.2677



31.0584, 41.4298, 35.7813



8.9152, 10.0729, 9.5813



11.8730, 23.6571, 3.9405



0.4272, 0.8384, 0.1393

Inverse Universe

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



35.4692, 27.4115, 49.8779



61.1541, 43.7017, 89.4135



33.0610, 26.5039, 34.6793



9.3529, 9.1483, 11.3523



18.6818, 8.9420, 31.9944



0.6672, 0.3197, 1.1283

Previews

White Background



This preview shows how the XYZ color 29.1785, 40.7092, 24.4090 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 29.1785, 40.7092, 24.4090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

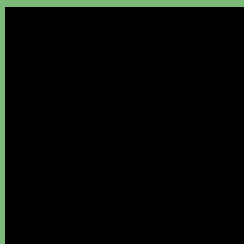
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1785, 40.7092, 24.4090

Background



This preview shows how black text looks on a background with the XYZ color 29.1785, 40.7092, 24.4090.



This preview shows how white text looks on a background with the XYZ color 29.1785, 40.7092,

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

29.1785, 40.7092, 24.4090

Protanopia

37.1792, 40.1547, 21.7107

Deuteranopia

40.9505, 40.1183, 25.3239



Tritanopia

35.3899, 40.4843, 55.8182

Trichromacy



Original Color

29.1785, 40.7092, 24.4090



Protanomaly

33.6365, 40.0164, 22.7807



Deuteranomaly

35.4346, 39.4653, 24.8187



Tritanomaly

32.5643, 40.2210, 42.1235

Monochromacy



Original Color

29.1785, 40.7092, 24.4090



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.4089, 36.6543, 32.6137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1785, 40.7092, 24.4090 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(123, 186, 121)` looks like.

```
.text, #text, p{  
    color:rgb(123, 186, 121)  
}
```

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(123, 186, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 186, 121) }
```

Border

The CSS property to change the border of an element to XYZ 29.1785, 40.7092, 24.4090 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(123, 186, 121) }
```


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

```
.border{ border-color:rgb(123, 186, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 186, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 186, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 186, 121);  
box-shadow:4px 4px 4px 4px rgb(123, 186,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1785, 40.7092, 24.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 186, 121) }
```

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

```
.background{ background-color: rgb(123,  
186, 121) }
```

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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