

Converting Colors

XYZ(59.7368, 72.9538, 24.1569)

Have a look what the booklet for
XYZ(59.7368, 72.9538, 24.1569)
contains.

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Color

**XYZ(59.6899, 72.9030,
24.0224)**

Conversions

Conversions Part 1

Format	Color
Hex	D9E768
RGB	217, 231, 104
RGB Percent	85%, 91%, 41%
CMY	0.1490, 0.0941, 0.5921
CMYK	0.06, 0.00, 0.55, 0.09
HSL	67°, 73%, 66%
HSV	67°, 55%, 91%
XYZ	59.6899, 72.9030, 24.0224
YIQ	212.3360, 32.4230, -42.4650

Conversions

Conversions Part 2

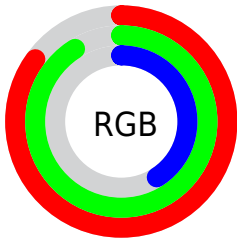
Format	Color
RYB	104, 231, 118
Decimal	14280552
CIELab	88.40, -21.83, 59.15
CIELCh	88, 63.051, 110.255
Yxy	72.9030, 0.3811, 0.4655
Android (android.graphics.Color)	4292470632 (0xFFD9E768)
YUV	212.3360, -53.4096, 4.0903
Hunter-Lab	85.3833, -24.6345, 43.0872

Details

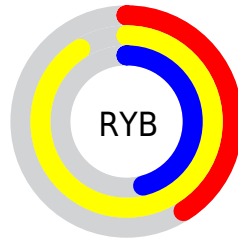
The XYZ color **59.6899, 72.9030, 24.0224** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.8478, 19.5234, 77.9590**, and the grayscale version is **63.1340, 66.4219, 72.3334**.

A 20% lighter version of the original color is **83.2580, 95.2832, 46.8042**, and **30.5769, 38.7460, 8.7729** is the 20% darker color. If you saturate the color by 10%, you get **57.9228, 72.1120, 18.6317**, and if you desaturate by 10%, it is **61.7935, 73.8352, 31.1091**.

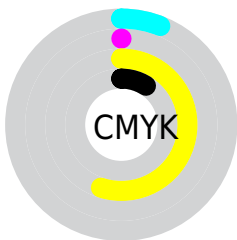
Distribution



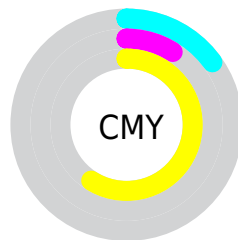
- Red (85%)
- Green (91%)
- Blue (41%)



- Red (41%)
- Yellow (91%)
- Blue (46%)



- Cyan (6%)
- Magenta (0%)
- Yellow (55%)
- Black (9%)





- Cyan (15%)
- Magenta (9%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.6899, 72.9030, 24.0224 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 59.6899, 72.9030, 24.0224 by changing the saturation by 10% instead.


 59.6899, 72.9030,
24.0224

 59.6899, 72.9030,
24.0224


413.3069,
470.6786, 286.2239


 43.4172, 53.8967,
15.1379


 103.4886,
123.3395, 51.0110

 30.4086, 38.5190,
8.7685


 131.7454,
155.5384, 69.9522

 20.2985, 26.3858,
4.4958


 164.7275,
192.9037, 93.0828

 12.7217, 17.1125,
1.9011

 202.8004,
235.8197, 120.8211

 7.3129, 10.3147,
0.4934

246.3295,
284.6707, 153.5859

 3.7066, 5.6081,
0.0000

295.6800,

 1.5375, 2.6083,

339.8413, 191.7956

0.0000

351.2174,
401.7158, 235.8687

0.3512, 0.9308,
0.0000

0.0000, 0.0000,
0.0000

59.6899, 72.9030,
24.0224

59.6899, 72.9030,
24.0224

57.9228, 72.1120,
18.6317

61.7935, 73.8352,
31.1091

56.4601, 71.4415,
14.7905


64.2524, 74.9083,
40.0130


55.2722, 70.8821,
12.3355


67.0900, 76.1342,
50.8496

54.3204, 70.4186,
11.0643


70.3262, 77.5209,
63.7236

 53.9009, 70.2097,
10.7110

 73.9795, 79.0759,
78.7321

 78.0673, 80.8060,
95.9658

 80.8333, 82.0088,
106.1767

 81.6797, 82.4452,
106.2163

 82.5383, 82.8877,
106.2564

Harmonies

Analogous

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



74.3398, 72.9030, 22.2835



59.6899, 72.9030, 24.0224



49.2233, 72.9030, 37.0990

Triad

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



59.6899, 72.9030, 24.0224



52.2884, 72.9030, 162.3409



102.1441, 72.9030, 94.3513

Complementary

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



59.6899, 72.9030, 24.0224



26.8478, 19.5234, 77.9590

Split Complementary

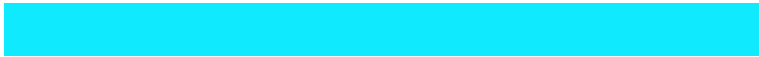
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.1862, 72.9030, 145.5473



59.6899, 72.9030, 24.0224



64.4783, 72.9030, 193.2367

Square

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



59.6899, 72.9030, 24.0224



45.4018, 72.9030, 111.9007



79.8726, 72.9030, 186.1680



100.3659, 72.9030, 53.8612

Rectangle

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



59.6899, 72.9030, 24.0224



45.3349, 72.9030, 54.4022



79.8726, 72.9030, 186.1680



100.4796, 72.9030, 111.0251

Sweetspot

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



59.6916, 72.9063, 24.0239



87.5271, 96.8018, 77.8238



41.7826, 30.6431, 16.8102



18.5485, 20.6401, 15.9108



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.



59.6916, 72.9063, 24.0239



72.2063, 90.1114, 22.5403



44.5565, 65.1039, 23.3156



15.4368, 16.7323, 15.3205



30.2814, 39.3921, 6.0074



2.2826, 2.9341, 0.4460

Inverse Universe

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



26.8478, 19.5234, 77.9590



27.2903, 17.0070, 96.4521



38.2455, 25.3991, 78.4924



13.7297, 13.9629, 18.1158



8.3683, 3.3799, 42.5945



0.6679, 0.2753, 3.1499

Previews

White Background



This preview shows how the XYZ color 59.6899, 72.9030, 24.0224 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 59.6899, 72.9030, 24.0224 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 59.6899, 72.9030, 24.0224

Background



This preview shows how black text looks on a background with the XYZ color 59.6899, 72.9030, 24.0224.



This preview shows how white text looks on a background with the XYZ color 59.6899, 72.9030, 24.0224.

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

59.6899, 72.9030, 24.0224

Protanopia

66.4763, 72.7750, 22.8552

Deuteranopia

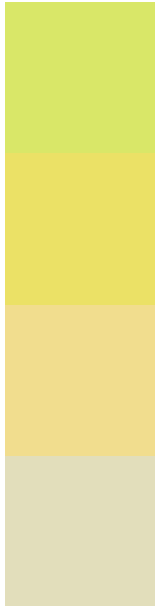
72.1513, 72.5052, 44.8425



Tritanopia

72.6191, 72.5551, 88.0190

Trichromacy



Original Color

59.6899, 72.9030, 24.0224

Protanomaly

63.5844, 72.4719, 23.2076

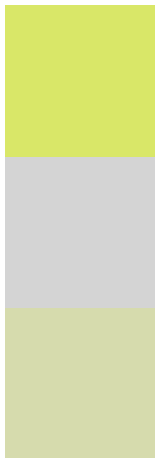
Deuteranomaly

67.0146, 72.3667, 36.0273

Tritanomaly

66.4549, 71.9992, 57.4084

Monochromacy



Original Color

59.6899, 72.9030, 24.0224

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

60.6059, 67.9763, 49.4616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6899, 72.9030, 24.0224 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(217, 231, 104)` looks like.

```
.text, #text, p{  
    color:rgb(217, 231, 104)  
}
```

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(217, 231, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 231, 104) }
```

Border

The CSS property to change the border of an element to XYZ 59.6899, 72.9030, 24.0224 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(217, 231, 104) }
```


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

```
.border{ border-color:rgb(217, 231, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 231, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 231, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 231, 104);  
box-shadow:4px 4px 4px 4px rgb(217, 231,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6899, 72.9030, 24.0224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 231, 104) }
```

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

```
.background{ background-color: rgb(217,  
231, 104) }
```

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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