

Converting Colors

XYZ(72.5088, 79.9606, 24.1831)

Have a look what the booklet for
XYZ(72.5088, 79.9606, 24.1831)
contains.

XYZ(72.4949, 79.9325, 24.1780)	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(72.4949, 79.9325,
24.1780)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE866
RGB	255, 232, 102
RGB Percent	100%, 91%, 40%
CMY	0.0000, 0.0902, 0.6000
CMYK	0.00, 0.09, 0.60, 0.00
HSL	51°, 100%, 70%
HSV	51°, 60%, 100%
XYZ	72.4949, 79.9325, 24.1780
YIQ	224.0570, 55.4380, -35.5540

Conversions

Conversions Part 2

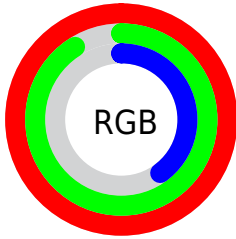
Format	Color
R_{YB}	129, 255, 102
Decimal	16771174
CIE Lab	91.65, -7.19, 64.50
CIE LCh	92, 64.900, 96.363
Yxy	79.9325, 0.4105, 0.4526
Android (android.graphics.Color)	4294961254 (0xFFFFE866)
YUV	224.0570, -60.1741, 27.1370
Hunter-Lab	89.4050, -11.7202, 46.5495

Details

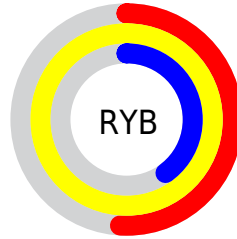
The XYZ color **72.4949, 79.9325, 24.1780** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **30.8630, 24.7114, 97.7505**, and the grayscale version is **71.2831, 74.9953, 81.6699**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **38.7210, 43.2436, 8.8908** is the 20% darker color. If you saturate the color by 10%, you get **70.3533, 77.3716, 18.1559**, and if you desaturate by 10%, it is **75.0526, 82.7036, 32.2589**.

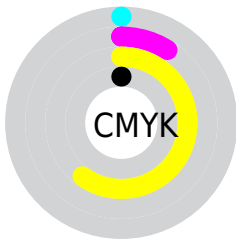
Distribution



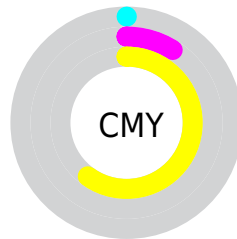
- Red (100%)
- Green (91%)
- Blue (40%)



- Red (51%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (9%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.4949, 79.9325, 24.1780 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 72.4949, 79.9325, 24.1780 by changing the saturation by 10% instead.


 72.4949, 79.9325,
24.1780


 72.4949, 79.9325,
24.1780


458.3933,
494.7053, 287.0346

 53.8500, 59.6628,
15.2523


 121.7669,
133.2708, 51.2680


 38.7119, 43.1469,
8.8481


 153.1246,
167.1083, 70.2693

 26.7154, 30.0004,
4.5467


 189.4507,
206.2370, 93.4663

 17.4951, 19.8389,
1.9298

 231.1105,
251.0416, 121.2775

 10.6856, 12.2780,
0.5116

278.4692,
301.9063, 154.1214

 5.9216, 6.9333,
0.0000

331.8924,

 2.8376, 3.4204,

359.2156, 192.4165

0.0000

391.7453,
423.3538, 236.5814

■ 1.0685, 1.3550,
0.0000

■ 0.0000, 0.1832,
0.0000

■ 72.4949, 79.9325,
24.1780

■ 72.4949, 79.9325,
24.1780

■ 70.3533, 77.3716,
18.1559

■ 75.0526, 82.7036,
32.2589

■ 68.5852, 74.9944,
13.9930

■ 78.0533, 85.6867,
42.5639

■ 67.1480, 72.7868,
11.4586

■ 81.5278, 88.8974,
55.2471

■ 65.9697, 70.7196,
10.1734

■ 85.5028, 92.3467,
70.4472

■ 65.9695, 70.7193,
10.1732

■ 90.0028, 96.0445,
88.2927

95.0498, 99.9999,
108.9000

Harmonies

Analogous

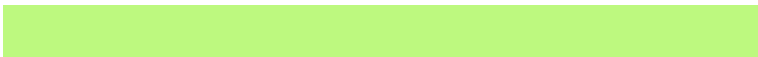
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4844, 79.9325, 27.3270



72.4949, 79.9325, 24.1780



58.5972, 79.9325, 32.2729

Triad

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



72.4949, 79.9325, 24.1780



53.0859, 79.9325, 153.1589



109.0782, 79.9325, 129.0076

Complementary

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



72.4949, 79.9325, 24.1780



30.8630, 24.7114, 97.7505

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.



96.4843, 79.9325, 183.1934



72.4949, 79.9325, 24.1780



63.8959, 79.9325, 200.3195

Square

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



72.4949, 79.9325, 24.1780



48.4920, 79.9325, 97.5484



79.5615, 79.9325, 212.9473



112.2623, 79.9325, 77.3016

Rectangle

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



72.4949, 79.9325, 24.1780



52.4038, 79.9325, 45.6247



79.5615, 79.9325, 212.9473



105.7240, 79.9325, 148.0305

Sweetspot

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



72.4968, 79.9363, 24.1796



86.3598, 93.0659, 73.7984



49.8552, 32.3089, 23.8596



18.2191, 19.6966, 14.7591



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.



72.4968, 79.9363, 24.1796



69.9710, 76.8816, 17.1805



63.0604, 85.3166, 25.7155



19.3149, 20.5981, 19.1022



34.5588, 37.1288, 5.3451



3.4252, 3.7358, 0.5405

Inverse Universe

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



30.8630, 24.7114, 97.7505



25.1391, 17.4970, 96.6600



35.9390, 23.4960, 97.2483



17.2233, 17.8182, 22.7814



9.8646, 4.6387, 49.8100



1.0223, 0.5753, 4.8704

Previews

White Background



This preview shows how the XYZ color 72.4949, 79.9325, 24.1780 looks on a white background.

Color Contrast Check

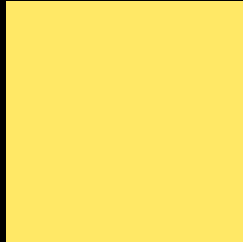
Large Text (above 18pt) WCAG AA × Fail

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 72.4949, 79.9325, 24.1780 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 72.4949, 79.9325, 24.1780

Background



This preview shows how black text looks on a background with the XYZ color 72.4949, 79.9325, 24.1780.

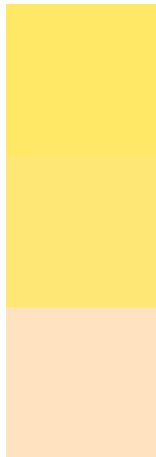


This preview shows how white text looks on a background with the XYZ color 72.4949, 79.9325,

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

72.4949, 79.9325, 24.1780

Protanopia

73.0268, 79.6962, 28.3636

Deuteranopia

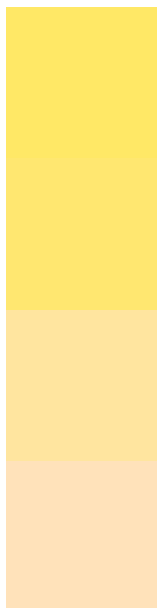
78.2235, 80.0039, 61.1887



Tritanopia

82.4790, 79.9759, 88.9317

Trichromacy



Original Color

72.4949, 79.9325, 24.1780

Protanomaly

72.7405, 79.5817, 26.8562

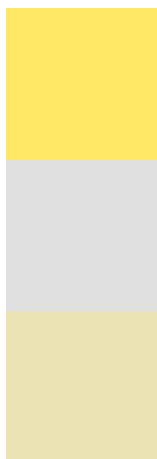
Deuteranomaly

75.5173, 79.8018, 44.2240

Tritanomaly

77.2993, 79.1979, 57.6670

Monochromacy



Original Color

72.4949, 79.9325, 24.1780

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.9683, 75.8956, 54.1416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4949, 79.9325, 24.1780 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(255, 232, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 102)  
}
```

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(255, 232, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 102) }
```

Border

The CSS property to change the border of an element to XYZ 72.4949, 79.9325, 24.1780 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(255, 232, 102) }
```


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

```
.border{ border-color:rgb(255, 232, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 232, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4949, 79.9325, 24.1780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 102) }
```

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

```
.background{ background-color: rgb(255,  
232, 102) }
```

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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