

Converting Colors

XYZ(64.9854, 74.2820, 24.3348)

Have a look what the booklet for
XYZ(64.9854, 74.2820, 24.3348)
contains.

XYZ(64.8853, 74.3396, 24.2938)	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(64.8853, 74.3396,
24.2938)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE469
RGB	236, 228, 105
RGB Percent	93%, 89%, 41%
CMY	0.0745, 0.1059, 0.5882
CMYK	0.00, 0.03, 0.56, 0.07
HSL	56°, 78%, 67%
HSV	56°, 56%, 93%
XYZ	64.8853, 74.3396, 24.2938
YIQ	216.3700, 44.2510, -36.5570

Conversions

Conversions Part 2

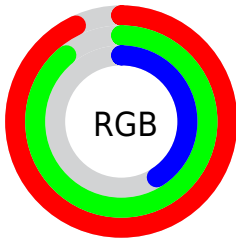
Format	Color
RYB	114, 236, 105
Decimal	15524969
CIELab	89.08, -12.69, 59.87
CIElCh	89, 61.202, 101.963
Yxy	74.3396, 0.3968, 0.4546
Android (android.graphics.Color)	4293715049 (0xFFECE469)
YUV	216.3700, -54.9054, 17.2155
Hunter-Lab	86.2204, -16.5553, 43.6485

Details

The XYZ color **64.8853, 74.3396, 24.2938** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.8712, 20.8692, 81.9685**, and the grayscale version is **65.8662, 69.2964, 75.4638**.

A 20% lighter version of the original color is **83.3452, 95.3181, 47.2632**, and **33.8794, 39.5824, 8.8721** is the 20% darker color. If you saturate the color by 10%, you get **63.4429, 73.1341, 18.6367**, and if you desaturate by 10%, it is **66.6711, 75.6932, 31.7273**.

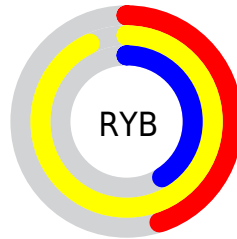
Distribution



Red (93%)

Green (89%)

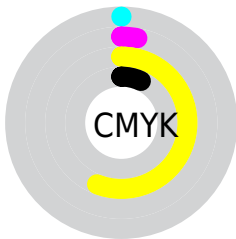
Blue (41%)



Red (45%)

Yellow (93%)

Blue (41%)

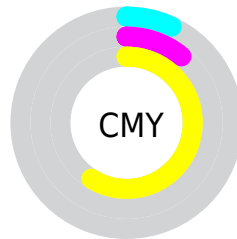


Cyan (0%)

Magenta (3%)

Yellow (56%)

Black (7%)



Cyan (7%)

Magenta (11%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8853, 74.3396, 24.2938 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 64.8853, 74.3396, 24.2938 by changing the saturation by 10% instead.

64.8853, 74.3396,
24.2938

64.8853, 74.3396,
24.2938

431.9314,
475.6446, 287.6367

47.6324, 55.0720,
15.3375

110.9516,
125.3771, 51.4590

33.7459, 39.4594,
8.9073

140.4957,
157.9158, 70.5051

22.8605, 27.1173,
4.5848

174.8676,
195.6470, 93.7514

14.6106, 17.6613,
1.9513

214.4326,
238.9552, 121.6166

8.6311, 10.7071,
0.5251

259.5562,
288.2246, 154.5192

4.5565, 5.8703,
0.0000

310.6036,

2.0215, 2.7663,

343.8397, 192.8777

0.0000

367.9402,
406.1849, 237.1107

■ 0.6460, 1.0110,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.8853, 74.3396,
24.2938

■ 64.8853, 74.3396,
24.2938

■ 63.4429, 73.1341,
18.6367

■ 66.6711, 75.6932,
31.7273

■ 62.3100, 72.0550,
14.6008


■ 68.8203, 77.1947,
41.0661


■ 61.4550, 71.0922,
12.0120


■ 71.3576, 78.8568,
52.4324

■ 60.8367, 70.2294,
10.6539

■ 74.3041, 80.6879,
65.9369


 60.6068, 69.8626,
10.2905

 77.6792, 82.6957,
81.6822

 81.5013, 84.8877,
99.7646

 83.2417, 86.2524,
106.8688

 83.6629, 87.0947,
107.0092

 84.0874, 87.9438,
107.1507

Harmonies

Analogous

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



79.9022, 74.3396, 25.3162



64.8853, 74.3396, 24.2938



53.1842, 74.3396, 33.9866

Triad

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



64.8853, 74.3396, 24.2938



51.4282, 74.3396, 149.1136



101.5411, 74.3396, 109.0908

Complementary

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



64.8853, 74.3396, 24.2938



26.8712, 20.8692, 81.9685

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.



91.5916, 74.3396, 158.5414



64.8853, 74.3396, 24.2938



62.1550, 74.3396, 186.6764

Square

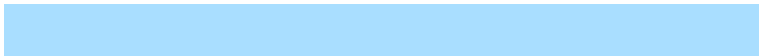
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.8853, 74.3396, 24.2938



46.1782, 74.3396, 99.1646



76.7624, 74.3396, 190.6308



102.5447, 74.3396, 65.1029

Rectangle

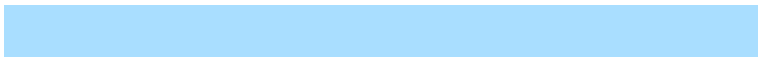
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.8853, 74.3396, 24.2938



48.2720, 74.3396, 48.1845



76.7624, 74.3396, 190.6308



99.0733, 74.3396, 125.9461

Sweetspot

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



64.8871, 74.3431, 24.2953



88.0015, 95.8397, 75.9169



42.6662, 29.1456, 19.2180



18.6790, 20.4172, 15.5268



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.



64.8871, 74.3431, 24.2953



75.3700, 86.9503, 21.2290



51.1900, 70.6224, 24.2991



16.2687, 17.4603, 16.0314



33.4430, 38.5801, 5.6841



2.6500, 3.0773, 0.4543

Inverse Universe

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



26.8712, 20.8692, 81.9685



25.7736, 17.2198, 96.5731



35.0455, 23.8172, 82.1066



14.3050, 14.6964, 19.0050



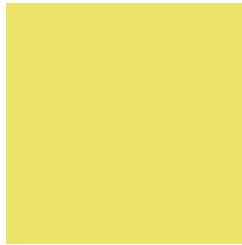
8.4658, 3.5787, 43.9875



0.6908, 0.3331, 3.4628

Previews

White Background



This preview shows how the XYZ color 64.8853, 74.3396, 24.2938 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 64.8853, 74.3396, 24.2938 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 64.8853, 74.3396, 24.2938

Background



This preview shows how black text looks on a background with the XYZ color 64.8853, 74.3396, 24.2938.



This preview shows how white text looks on a background with the XYZ color 64.8853, 74.3396,

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

64.8853, 74.3396, 24.2938

Protanopia

67.8657, 74.2672, 23.8548

Deuteranopia

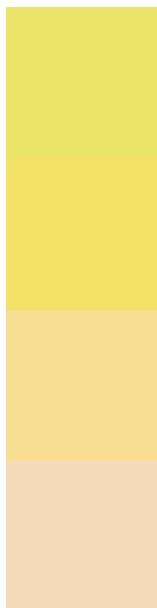
73.5671, 74.3051, 48.4951



Tritanopia

77.1818, 73.8191, 85.7819

Trichromacy



Original Color

64.8853, 74.3396, 24.2938

Protanomaly

66.7321, 74.0830, 23.8790

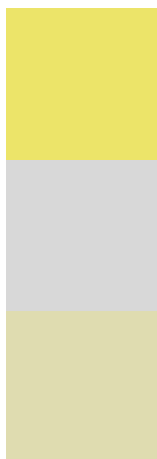
Deuteranomaly

70.0210, 74.2743, 37.8400

Tritanomaly

71.3967, 73.3989, 56.3033

Monochromacy



Original Color

64.8853, 74.3396, 24.2938

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

63.8611, 70.0090, 51.2215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8853, 74.3396, 24.2938 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(236, 228, 105)` looks like.

```
.text, #text, p{  
    color:rgb(236, 228, 105)  
}
```

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(236, 228, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 228, 105) }
```

Border

The CSS property to change the border of an element to XYZ 64.8853, 74.3396, 24.2938 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(236, 228, 105) }
```


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

```
.border{ border-color:rgb(236, 228, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 228, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 228, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 228, 105);  
box-shadow:4px 4px 4px 4px rgb(236, 228,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8853, 74.3396, 24.2938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 228, 105) }
```

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

```
.background{ background-color: rgb(236,  
228, 105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor