

Converting Colors

XYZ(72.9661, 90.4611, 24.4727)

Have a look what the booklet for
XYZ(72.9661, 90.4611, 24.4727)
contains.

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Color

**XYZ(73.0855, 90.5234,
24.4472)**

Conversions

Conversions Part 1

Format	Color
Hex	EEFF5F
RGB	238, 255, 95
RGB Percent	93%, 100%, 37%
CMY	0.0667, 0.0000, 0.6274
CMYK	0.07, 0.00, 0.63, 0.00
HSL	66°, 100%, 69%
HSV	66°, 63%, 100%
XYZ	73.0855, 90.5234, 24.4472
YIQ	231.6770, 41.2280, -53.3640

Conversions

Conversions Part 2

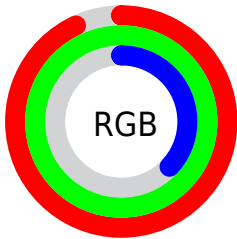
Format	Color
R_{YB}	95, 255, 112
Decimal	15662943
CIE _{Lab}	96.21, -25.61, 71.91
CIE _{LCh}	96, 76.336, 109.599
Yxy	90.5234, 0.3886, 0.4814
Android (android.graphics.Color)	4293853023 (0xFFEEFF5F)
YUV	231.6770, -67.3818, 5.5453
Hunter-Lab	95.1438, -29.3853, 51.3661

Details

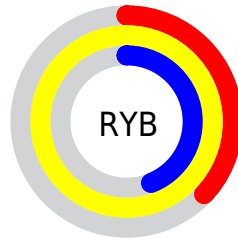
The XYZ color **73.0855, 90.5234, 24.4472** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **28.8254, 18.8504, 96.7270**, and the grayscale version is **76.9258, 80.9319, 88.1349**.

A 20% lighter version of the original color is **82.6675, 95.0470, 43.6946**, and **39.0452, 50.0762, 8.9743** is the 20% darker color. If you saturate the color by 10%, you get **71.2067, 89.6676, 19.2673**, and if you desaturate by 10%, it is **75.3573, 91.5380, 31.6272**.

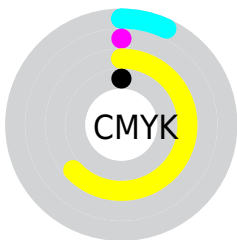
Distribution



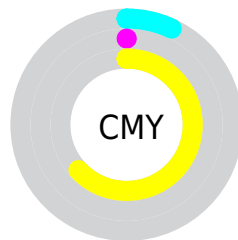
- Red (93%)
- Green (100%)
- Blue (37%)



- Red (37%)
- Yellow (100%)
- Blue (44%)



- Cyan (7%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.0855, 90.5234, 24.4472 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 73.0855, 90.5234, 24.4472 by changing the saturation by 10% instead.


 73.0855, 90.5234,
24.4472


 73.0855, 90.5234,
24.4472


460.4103,
529.7320, 288.4327

 54.3345, 68.4148,
15.4504


 122.6011,
148.0652, 51.7119


 39.1009, 50.2353,
8.9860


 154.0963,
184.2672, 70.8170

 27.0193, 35.6004,
4.6354


 190.5704,
225.9359, 94.1285

 17.7244, 24.1257,
1.9800

 232.3886,
273.4555, 122.0651

 10.8508, 15.4269,
0.5429

279.9164,
327.2105, 155.0453

 6.0331, 9.1195,
0.0000

333.5190,

 2.9061, 4.8192,

387.5854, 193.4876

0.0000

393.5619,
454.9644, 237.8105

■ 1.1043, 2.1416,
0.0000

■ 0.0287, 0.6879,
0.0000

■ 73.0855, 90.5234,
24.4472

■ 73.0855, 90.5234,
24.4472

■ 71.2067, 89.6676,
19.2673

■ 75.3573, 91.5380,
31.6272

■ 69.6822, 88.9550,
15.8808

■ 78.0555, 92.7247,
40.9798

■ 68.4651, 88.3670,
14.0422

■ 81.2099, 94.0956,
52.6629

■ 67.7247, 87.9984,
13.4159

■ 84.8477, 95.6614,
66.8188

■ 88.9937, 97.4321,
83.5784

■ 93.6711, 99.4169,
103.0633

95.0500, 100.0000,
108.9000

Harmonies

Analogous

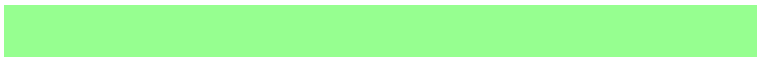
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.6055, 90.5234, 22.5849



73.0855, 90.5234, 24.4472



58.5963, 90.5234, 40.6373

Triad

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



73.0855, 90.5234, 24.4472



62.2456, 90.5234, 216.7802



132.6491, 90.5234, 121.1624

Complementary

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



73.0855, 90.5234, 24.4472



28.8254, 18.8504, 96.7270

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.



120.9403, 90.5234, 195.1654



73.0855, 90.5234, 24.4472



78.8931, 90.5234, 263.6082

Square

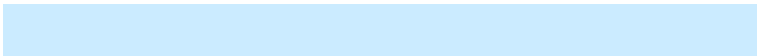
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.0855, 90.5234, 24.4472



53.0860, 90.5234, 143.1081



100.4409, 90.5234, 254.3871



130.4052, 90.5234, 64.3803

Rectangle

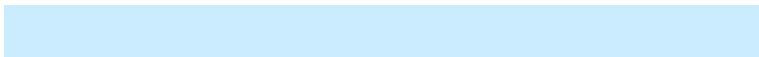
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.0855, 90.5234, 24.4472



53.2273, 90.5234, 63.2332



100.4409, 90.5234, 254.3871



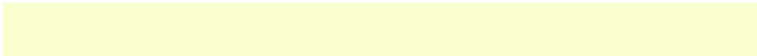
130.1483, 90.5234, 145.0827

Sweetspot

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



73.0855, 90.5234, 24.4484



86.3388, 96.2997, 72.7806



48.9907, 33.4562, 14.7032



18.2348, 20.5071, 14.5958



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.



73.0855, 90.5234, 24.4484



70.8332, 89.4948, 18.3542



52.1244, 79.7175, 23.4674



19.3599, 20.9869, 19.1748



35.4644, 46.0206, 7.0137



3.5053, 4.5078, 0.6853

Inverse Universe

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



28.8254, 18.8504, 96.7270



23.5319, 12.7468, 95.8278



43.6290, 26.4819, 97.4198



17.1821, 17.4701, 22.7164



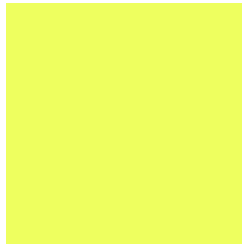
9.7266, 3.9247, 49.6795



1.0031, 0.4110, 4.8397

Previews

White Background



This preview shows how the XYZ color 73.0855, 90.5234, 24.4472 looks on a white background.

Color Contrast Check

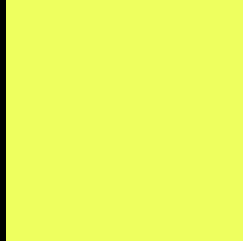
Large Text (above 18pt) WCAG AA × Fail

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 73.0855, 90.5234, 24.4472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

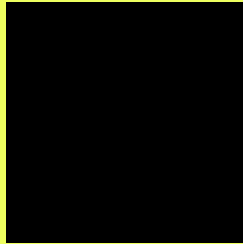
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 73.0855, 90.5234, 24.4472

Background



This preview shows how black text looks on a background with the XYZ color 73.0855, 90.5234, 24.4472.

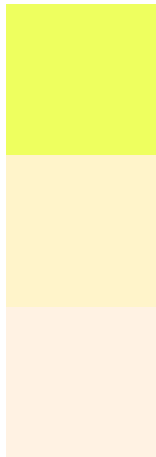


This preview shows how white text looks on a background with the XYZ color 73.0855, 90.5234,

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

73.0855, 90.5234, 24.4472

Protanopia

84.2514, 90.2256, 68.8519

Deuteranopia

86.8573, 90.3103, 85.5268



Tritanopia

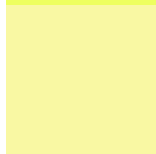
89.3550, 90.2356, 107.3154

Trichromacy



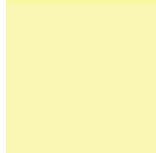
Original Color

73.0855, 90.5234, 24.4472



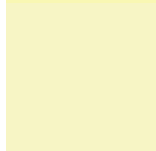
Protanomaly

79.2452, 89.9189, 47.8297



Deuteranomaly

80.4644, 89.9159, 55.7624



Tritanomaly

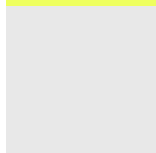
81.0882, 89.1102, 65.7495

Monochromacy



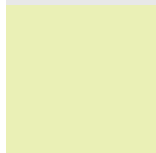
Original Color

73.0855, 90.5234, 24.4472



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.5353, 83.1900, 56.4375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.0855, 90.5234, 24.4472 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(238, 255, 95)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 95)  
}
```

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(238, 255, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 95) }
```

Border

The CSS property to change the border of an element to XYZ 73.0855, 90.5234, 24.4472 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(238, 255, 95) }
```


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

```
.border{ border-color:rgb(238, 255, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 255, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 95);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 73.0855, 90.5234, 24.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 95) }
```

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

```
.background{ background-color: rgb(238,  
255, 95) }
```

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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