

Converting Colors

XYZ(63.4190, 78.1636, 27.6641)

Have a look what the booklet for
XYZ(63.4190, 78.1636, 27.6641)
contains.

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Color

**XYZ(63.4190, 78.1636,
27.6641)**

Conversions

Conversions Part 1

Format	Color
Hex	DCEF72
RGB	220, 239, 114
RGB Percent	86%, 94%, 45%
CMY	0.1373, 0.0627, 0.5529
CMYK	0.08, 0.00, 0.52, 0.06
HSL	69°, 80%, 69%
HSV	69°, 52%, 94%
XYZ	63.4190, 78.1636, 27.6641
YIQ	219.0690, 28.8010, -42.9030

Conversions

Conversions Part 2

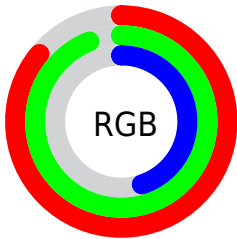
Format	Color
RYB	114, 239, 133
Decimal	14479218
CIELab	90.85, -23.66, 57.56
CIELCh	91, 62.234, 112.349
Yxy	78.1636, 0.3747, 0.4618
Android (android.graphics.Color)	4292669298 (0xFFDCEF72)
YUV	219.0690, -51.7990, 0.8165
Hunter-Lab	88.4102, -26.6750, 43.3349

Details

The XYZ color **63.4190, 78.1636, 27.6641** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.2730, 23.2551, 84.5065**, and the grayscale version is **67.7159, 71.2424, 77.5829**.

A 20% lighter version of the original color is **84.1614, 95.6446, 51.5616**, and **32.8534, 41.9797, 10.6463** is the 20% darker color. If you saturate the color by 10%, you get **61.1452, 77.1312, 21.3609**, and if you desaturate by 10%, it is **66.0759, 79.3576, 35.8433**.

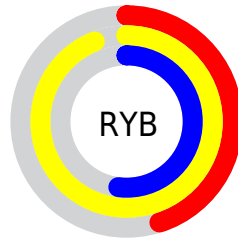
Distribution



Red (86%)

Green (94%)

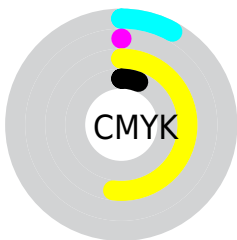
Blue (45%)



Red (45%)

Yellow (94%)

Blue (52%)

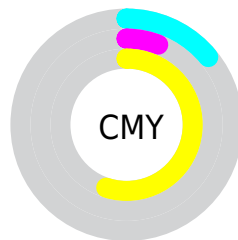


Cyan (8%)

Magenta (0%)

Yellow (52%)

Black (6%)



Cyan (14%)

Magenta (6%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4190, 78.1636, 27.6641 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 63.4190, 78.1636, 27.6641 by changing the saturation by 10% instead.

63.4190, 78.1636,
27.6641

63.4190, 78.1636,
27.6641

426.7241,
488.7223, 304.7196

46.4402, 58.2084,
17.8358

108.8522,
130.7807, 56.9643

32.7994, 41.9762,
10.6639

138.0373,
164.2114, 77.2733

22.1313, 29.0827,
5.7300

172.0218,
202.9027, 101.9130

14.0706, 19.1434,
2.6155

211.1712,
247.2390, 131.3018

8.2518, 11.7739,
0.9004

255.8508,
297.6047, 165.8583

4.3096, 6.5899,
0.0000

306.4259,

1.8788, 3.2070,

354.3843, 206.0011

0.0000

363.2618,
417.9620, 252.1487

0.5644, 1.2407,
0.0000

0.0000, 0.0946,
0.0000

63.4190, 78.1636,
27.6641

63.4190, 78.1636,
27.6641

61.1452, 77.1312,
21.3609

66.0759, 79.3576,
35.8433

59.2204, 76.2383,
16.7798


69.1356, 80.7127,
46.0267


57.6138, 75.4755,
13.7505

72.6232, 82.2418,
58.3368

56.2857, 74.8267,
12.0660


76.5600, 83.9533,
72.8851


 55.4060, 74.3862,
11.4378

 80.9657, 85.8553,
89.7750

 85.4689, 87.7991,
107.0500

 86.7274, 88.4479,
107.1089

 88.0108, 89.1095,
107.1689

 89.3193, 89.7840,
107.2302

Harmonies

Analogous

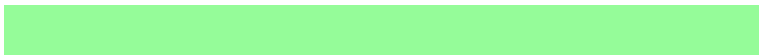
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3741, 78.1636, 25.0511



63.4190, 78.1636, 27.6641



52.9082, 78.1636, 42.5459

Triad

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



63.4190, 78.1636, 27.6641



57.3728, 78.1636, 173.2861



108.3151, 78.1636, 97.1136

Complementary

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



63.4190, 78.1636, 27.6641



31.2730, 23.2551, 84.5065

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.



100.7779, 78.1636, 149.4104



63.4190, 78.1636, 27.6641



70.3545, 78.1636, 202.4000

Square

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



63.4190, 78.1636, 27.6641



49.7748, 78.1636, 122.2961



86.3421, 78.1636, 192.3944



105.7713, 78.1636, 56.3431

Rectangle

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



63.4190, 78.1636, 27.6641



49.1310, 78.1636, 61.5424



86.3421, 78.1636, 192.3944



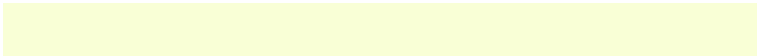
106.8436, 78.1636, 114.0286

Sweetspot

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



63.4209, 78.1671, 27.6657



86.9176, 96.4876, 77.7953



46.9900, 36.2745, 20.4456



18.4018, 20.5645, 15.9039



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.



63.4209, 78.1671, 27.6657



70.6137, 89.2525, 24.1779



47.9580, 70.1957, 26.9421



16.8730, 18.3302, 16.7985



30.7068, 41.1515, 6.3246



2.6178, 3.4560, 0.5291

Inverse Universe

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



31.2730, 23.2551, 84.5065



29.6610, 19.1939, 96.7492



44.1702, 29.9039, 85.1100



15.1210, 15.3441, 19.8863



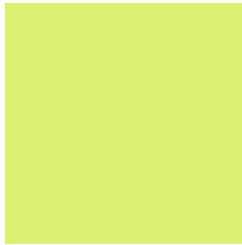
9.0864, 3.6896, 45.3611



0.8230, 0.3415, 3.7768

Previews

White Background



This preview shows how the XYZ color 63.4190, 78.1636, 27.6641 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 63.4190, 78.1636, 27.6641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

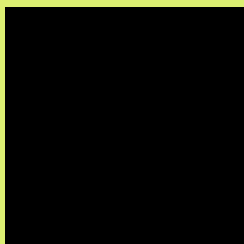
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4190, 78.1636, 27.6641

Background



This preview shows how black text looks on a background with the XYZ color 63.4190, 78.1636, 27.6641.



This preview shows how white text looks on a background with the XYZ color 63.4190, 78.1636, 27.6641.

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

63.4190, 78.1636, 27.6641

Protanopia

71.3966, 78.0690, 26.3447

Deuteranopia

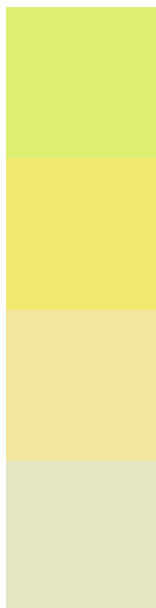
76.4906, 77.5805, 57.3974



Tritanopia

77.0346, 77.8139, 95.7534

Trichromacy



Original Color

63.4190, 78.1636, 27.6641

Protanomaly

68.3392, 78.1485, 26.8115

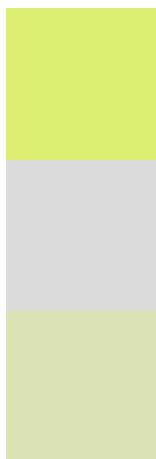
Deuteranomaly

70.9824, 77.4539, 44.4666

Tritanomaly

70.5737, 77.2372, 63.4132

Monochromacy



Original Color

63.4190, 78.1636, 27.6641

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

64.7503, 72.7890, 54.3530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4190, 78.1636, 27.6641 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(220, 239, 114)` looks like.

```
.text, #text, p{  
    color:rgb(220, 239, 114)  
}
```

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(220, 239, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 239, 114) }
```

Border

The CSS property to change the border of an element to XYZ 63.4190, 78.1636, 27.6641 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(220, 239, 114) }
```


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

```
.border{ border-color:rgb(220, 239, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 239, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 239, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 239, 114);  
box-shadow:4px 4px 4px 4px rgb(220, 239,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4190, 78.1636, 27.6641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 239, 114) }
```

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

```
.background{ background-color: rgb(220,  
239, 114) }
```

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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