

Converting Colors

XYZ(66.4403, 76.6911, 39.2126)

Have a look what the booklet for
XYZ(66.4403, 76.6911, 39.2126)
contains.

XYZ(66.4791, 76.9099, 39.3583)	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(66.4791, 76.9099,
39.3583)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E994
RGB	228, 233, 148
RGB Percent	89%, 91%, 58%
CMY	0.1059, 0.0863, 0.4196
CMYK	0.02, 0.00, 0.36, 0.09
HSL	64°, 66%, 75%
HSV	64°, 36%, 91%
XYZ	66.4791, 76.9099, 39.3583
YIQ	221.8150, 24.3050, -27.4950

Conversions

Conversions Part 2

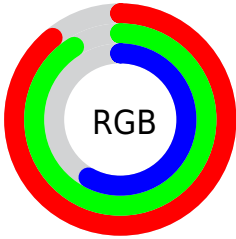
Format	Color
RYB	148, 233, 153
Decimal	15002004
CIELab	90.28, -14.27, 40.77
CIELCh	90, 43.198, 109.292
Yxy	76.9099, 0.3638, 0.4209
Android (android.graphics.Color)	4293192084 (0xFFE4E994)
YUV	221.8150, -36.3908, 5.4242
Hunter-Lab	87.6983, -18.1613, 34.7799

Details

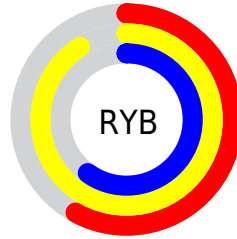
The XYZ color **66.4791, 76.9099, 39.3583** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.4376, 33.8373, 81.6006**, and the grayscale version is **69.5389, 73.1604, 79.6716**.

A 20% lighter version of the original color is **87.7795, 97.0918, 70.6140**, and **34.6280, 40.9467, 17.1447** is the 20% darker color. If you saturate the color by 10%, you get **64.3845, 76.0247, 30.5832**, and if you desaturate by 10%, it is **68.9522, 77.9524, 50.0919**.

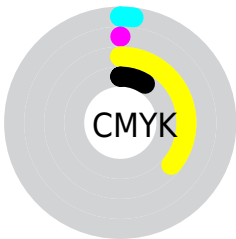
Distribution



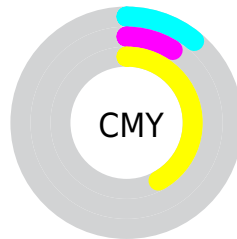
- Red (89%)
- Green (91%)
- Blue (58%)



- Red (58%)
- Yellow (91%)
- Blue (60%)



- Cyan (2%)
- Magenta (0%)
- Yellow (36%)
- Black (9%)



- Cyan (11%)
- Magenta (9%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4791, 76.9099, 39.3583 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 66.4791, 76.9099, 39.3583 by changing the saturation by 10% instead.

66.4791, 76.9099,
39.3583

66.4791, 76.9099,
39.3583

437.5500,
484.4568, 358.8828

48.9306, 57.1789,
26.7286

113.2276,
129.0123, 75.4117

34.7787, 41.1489,
17.1389

143.1583,
162.1525, 99.6725

23.6582, 28.4355,
10.1705

177.9471,
200.5312, 128.6475

15.2036, 18.6542,
5.4051

217.9594,
244.5329, 162.7550

9.0497, 11.4207,
2.4240

263.5604,
294.5419, 202.4138

4.8310, 6.3505,
0.7995

315.1157,

2.1822, 3.0594,

350.9426, 248.0423

0.0000

372.9904,
414.1194, 300.0592

0.7333, 1.1628,
0.0000

0.0000, 0.0310,
0.0000

66.4791, 76.9099,
39.3583

66.4791, 76.9099,
39.3583

64.3845, 76.0247,
30.5832

68.9522, 77.9524,
50.0919

62.6404, 75.2773,
23.6438


71.8187, 79.1498,
62.8874


61.2237, 74.6614,
18.4110


75.0996, 80.5135,
77.8466


60.1064, 74.1656,
14.7368


78.8125, 82.0503,
95.0632


 59.2557, 73.7768,
12.4484


 81.4057, 83.1397,
106.3648

 58.6302, 73.4784,
11.3281

 81.8601, 83.3740,
106.3860

 58.4395, 73.3853,
11.0847

 82.3181, 83.6101,
106.4075

 82.7796, 83.8480,
106.4291

 83.2446, 84.0877,
106.4508

Harmonies

Analogous

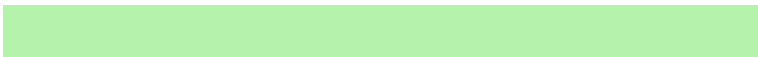
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0106, 76.9099, 37.9876



66.4791, 76.9099, 39.3583



58.5185, 76.9099, 50.7499

Triad

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



66.4791, 76.9099, 39.3583



60.4258, 76.9099, 137.1370



95.3607, 76.9099, 95.2351

Complementary

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



66.4791, 76.9099, 39.3583



38.4376, 33.8373, 81.6006

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.



89.9237, 76.9099, 128.6115



66.4791, 76.9099, 39.3583



69.3251, 76.9099, 156.4553

Square

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



66.4791, 76.9099, 39.3583



55.2679, 76.9099, 104.8719



80.1477, 76.9099, 153.0007



94.4075, 76.9099, 65.6596

Rectangle

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



66.4791, 76.9099, 39.3583



55.4132, 76.9099, 64.4969



80.1477, 76.9099, 153.0007



94.2003, 76.9099, 106.4782

Sweetspot

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



66.4810, 76.9134, 39.3599



90.2531, 98.0113, 86.7981



50.2210, 42.0015, 33.4782



19.2009, 20.9298, 18.0451



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.



66.4810, 76.9134, 39.3599



79.5535, 93.5254, 39.7665



54.7976, 70.8904, 38.8131



16.2592, 17.5792, 16.0549



33.1956, 41.6574, 6.2911



2.6333, 3.2849, 0.4953

Inverse Universe

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



38.4376, 33.8373, 81.6006



40.3114, 33.2329, 98.8977



47.7414, 38.6336, 82.0360



14.3133, 14.5913, 18.9843



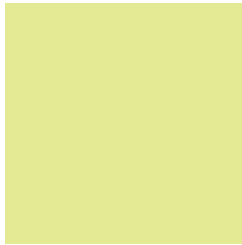
8.4792, 3.4071, 43.9537



0.6948, 0.2825, 3.4528

Previews

White Background



This preview shows how the XYZ color 66.4791, 76.9099, 39.3583 looks on a white background.

Color Contrast Check

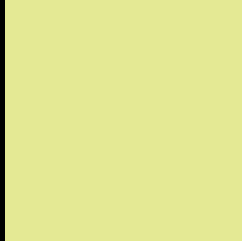
Large Text (above 18pt) WCAG AA × Fail

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 66.4791, 76.9099, 39.3583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

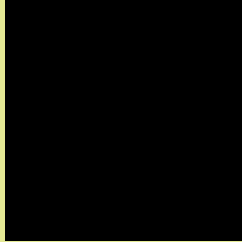
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.4791, 76.9099, 39.3583

Background



This preview shows how black text looks on a background with the XYZ color 66.4791, 76.9099, 39.3583.



This preview shows how white text looks on a background with the XYZ color 66.4791, 76.9099,

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

66.4791, 76.9099, 39.3583

Protanopia

71.0152, 76.7876, 38.2727

Deuteranopia

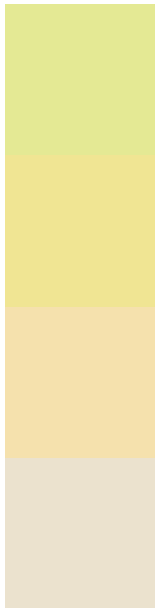
76.0661, 76.5608, 57.7823



Tritanopia

77.2979, 76.8253, 92.4161

Trichromacy



Original Color

66.4791, 76.9099, 39.3583

Protanomaly

69.2210, 76.6705, 38.7543

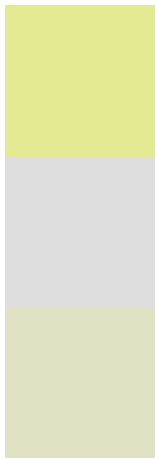
Deuteranomaly

72.1242, 76.2800, 50.4573

Tritanomaly

72.5979, 76.5111, 69.3343

Monochromacy



Original Color

66.4791, 76.9099, 39.3583

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

67.7872, 74.1801, 62.3752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4791, 76.9099, 39.3583 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(228, 233, 148)` looks like.

```
.text, #text, p{  
    color:rgb(228, 233, 148)  
}
```

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(228, 233, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 233, 148) }
```

Border

The CSS property to change the border of an element to XYZ 66.4791, 76.9099, 39.3583 is called "border". The border property can be set on classes, ids or directly on the HTML element.

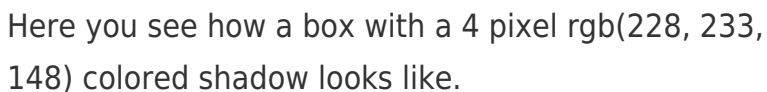
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 233, 148) }
```


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

```
.border{ border-color:rgb(228, 233, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 233, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 233, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 233, 148); box-shadow:4px 4px 4px 4px rgb(228, 233, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4791, 76.9099, 39.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 233, 148) }
```

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

```
.background{ background-color: rgb(228,  
233, 148) }
```

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