

Converting Colors

XYZ(66.2396, 74.8223, 38.0997)

Have a look what the booklet for
XYZ(66.2396, 74.8223, 38.0997)
contains.

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Color

**XYZ(66.2104, 74.7179,
38.1265)**

Conversions

Conversions Part 1

Format	Color
Hex	E8E492
RGB	232, 228, 146
RGB Percent	91%, 89%, 57%
CMY	0.0902, 0.1059, 0.4274
CMYK	0.00, 0.02, 0.37, 0.09
HSL	57°, 65%, 74%
HSV	57°, 37%, 91%
XYZ	66.2104, 74.7179, 38.1265
YIQ	219.8480, 28.7060, -24.6540

Conversions

Conversions Part 2

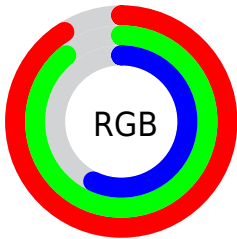
Format	Color
RYB	150, 232, 146
Decimal	15262866
CIELab	89.26, -10.48, 40.52
CIElCh	89, 41.849, 104.497
Yxy	74.7179, 0.3698, 0.4173
Android (android.graphics.Color)	4293452946 (0xFFE8E492)
YUV	219.8480, -36.4071, 10.6573
Hunter-Lab	86.4395, -14.5428, 34.3562

Details

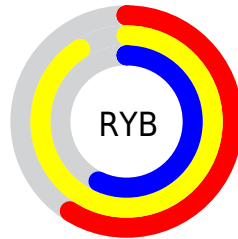
The XYZ color **66.2104, 74.7179, 38.1265** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.3258, 33.7490, 80.8908**, and the grayscale version is **68.1550, 71.7043, 78.0860**.

A 20% lighter version of the original color is **87.5426, 96.9970, 69.3667**, and **34.6431, 39.8093, 16.4477** is the 20% darker color. If you saturate the color by 10%, you get **64.2910, 73.4800, 29.4687**, and if you desaturate by 10%, it is **68.5016, 76.1128, 48.7167**.

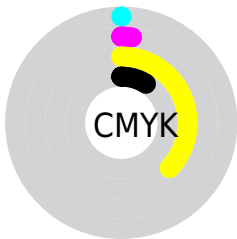
Distribution



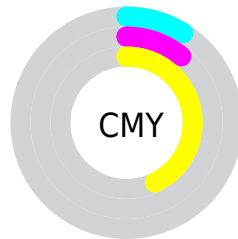
- Red (91%)
- Green (89%)
- Blue (57%)



- Red (59%)
- Yellow (91%)
- Blue (57%)



- Cyan (0%)
- Magenta (2%)
- Yellow (37%)
- Black (9%)



- Cyan (9%)
- Magenta (11%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2104, 74.7179, 38.1265 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 66.2104, 74.7179, 38.1265 by changing the saturation by 10% instead.

66.2104, 74.7179,
38.1265

66.2104, 74.7179,
38.1265

436.6058,
476.9474, 353.4768

48.7116, 55.3818,
25.7783

112.8443,
125.9130, 73.5076

34.6043, 39.7075,
16.4336

142.7101,
158.5407, 97.3775

23.5233, 27.3106,
9.6738

177.4289,
196.3678, 125.9251

15.1032, 17.8066,
5.0805

217.3661,
239.7787, 159.5689

8.9786, 10.8112,
2.2350

262.8870,
289.1577, 198.7274

4.7843, 5.9400,
0.6944

314.3570,

2.1547, 2.8087,

344.8892, 243.8192

0.0000

372.1415,
407.3576, 295.2628

■ 0.7187, 1.0327,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.2104, 74.7179,
38.1265

■ 66.2104, 74.7179,
38.1265

■ 64.2910, 73.4800,
29.4687

■ 68.5016, 76.1128,
48.7167

■ 62.7156, 72.3800,
22.6212


■ 71.1794, 77.6627,
61.3422


■ 61.4613, 71.4113,
17.4555


■ 74.2647, 79.3785,
76.1041

■ 60.5000, 70.5628,
13.8239


■ 77.7751, 81.2674,
93.0955


 59.7990, 69.8213,
11.5536


 80.5791, 82.8766,
106.3576


 59.3155, 69.1698,
10.4202

 80.8857, 83.4899,
106.4598

 59.1947, 68.9877,
10.1961

 81.1943, 84.1069,
106.5626

 81.5046, 84.7277,
106.6661

 81.8169, 85.3522,
106.7702

Harmonies

Analogous

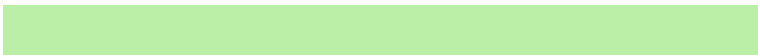
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4001, 74.7179, 38.2809



66.2104, 74.7179, 38.1265



58.1152, 74.7179, 47.4524

Triad

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



66.2104, 74.7179, 38.1265



57.9022, 74.7179, 127.5188



91.6864, 74.7179, 97.3438

Complementary

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



66.2104, 74.7179, 38.1265



37.3258, 33.7490, 80.8908

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.



85.6998, 74.7179, 128.4632



66.2104, 74.7179, 38.1265



65.8931, 74.7179, 148.5306

Square

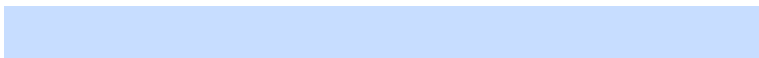
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.2104, 74.7179, 38.1265



53.6400, 74.7179, 96.2729



76.0510, 74.7179, 148.9126



91.7923, 74.7179, 68.0638

Rectangle

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



66.2104, 74.7179, 38.1265



54.7161, 74.7179, 59.4499



76.0510, 74.7179, 148.9126



90.2713, 74.7179, 108.0718

Sweetspot

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



66.2123, 74.7213, 38.1281



90.4440, 97.4949, 86.6884



49.0874, 39.9261, 34.1013



19.2467, 20.8057, 18.0188



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.



66.2123, 74.7213, 38.1281



80.3029, 91.4773, 39.3317



56.1143, 71.1657, 37.9740



15.5412, 16.6964, 15.3081



32.8892, 38.3525, 5.6693



2.4482, 2.8697, 0.4249

Inverse Universe

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



37.3258, 33.7490, 80.8908



39.9347, 34.2250, 99.1090



44.7804, 36.6619, 81.0602



13.6363, 13.9939, 18.1267



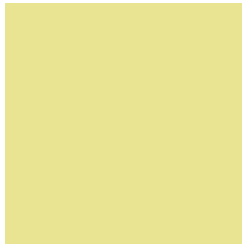
8.1762, 3.4144, 42.6113



0.6232, 0.2904, 3.1552

Previews

White Background



This preview shows how the XYZ color 66.2104, 74.7179, 38.1265 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 66.2104, 74.7179, 38.1265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

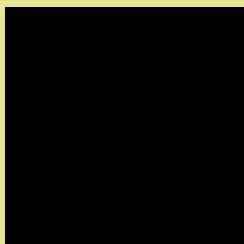
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

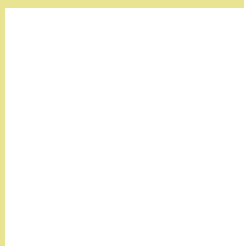
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.2104, 74.7179, 38.1265

Background



This preview shows how black text looks on a background with the XYZ color 66.2104, 74.7179, 38.1265.

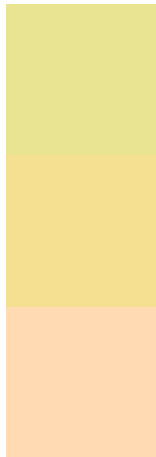


This preview shows how white text looks on a background with the XYZ color 66.2104, 74.7179,

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

66.2104, 74.7179, 38.1265

Protanopia

68.9979, 74.5580, 37.1401

Deuteranopia

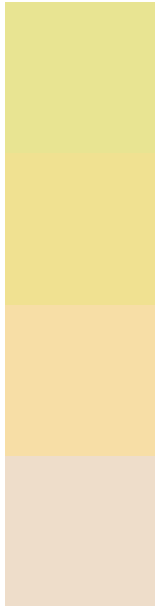
74.3473, 74.6172, 52.6035



Tritanopia

76.2821, 74.4435, 88.1904

Trichromacy



Original Color

66.2104, 74.7179, 38.1265

Protanomaly

67.9712, 74.4200, 37.5701

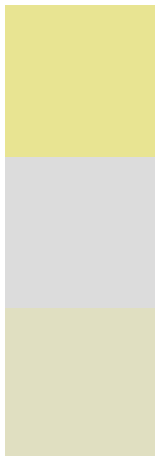
Deuteranomaly

71.3620, 74.7699, 46.7472

Tritanomaly

71.7770, 74.1543, 66.4073

Monochromacy



Original Color

66.2104, 74.7179, 38.1265

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.7538, 72.4729, 60.9224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2104, 74.7179, 38.1265 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(232, 228, 146)` looks like.

```
.text, #text, p{  
    color:rgb(232, 228, 146)  
}
```

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(232, 228, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 228, 146) }
```

Border

The CSS property to change the border of an element to XYZ 66.2104, 74.7179, 38.1265 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(232, 228, 146) }
```


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

```
.border{ border-color:rgb(232, 228, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 228, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 228, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 228, 146);  
box-shadow:4px 4px 4px 4px rgb(232, 228,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2104, 74.7179, 38.1265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 228, 146) }
```

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

```
.background{ background-color: rgb(232,  
228, 146) }
```

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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