

Converting Colors

XYZ(67.8806, 79.6100, 20.2178)

Have a look what the booklet for
XYZ(67.8806, 79.6100, 20.2178)
contains.

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Color

**XYZ(67.8196, 79.7337,
20.2032)**

Conversions

Conversions Part 1

Format	Color
Hex	F0ED54
RGB	240, 237, 84
RGB Percent	94%, 93%, 33%
CMY	0.0588, 0.0706, 0.6706
CMYK	0.00, 0.01, 0.65, 0.06
HSL	59°, 84%, 64%
HSV	59°, 65%, 94%
XYZ	67.8196, 79.7337, 20.2032
YIQ	220.4550, 50.9010, -46.9470

Conversions

Conversions Part 2

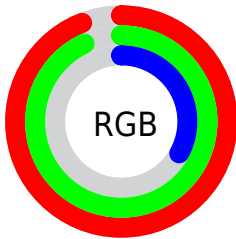
Format	Color
RYB	87, 240, 84
Decimal	15789396
CIELab	91.57, -16.85, 71.38
CIELCh	92, 73.345, 103.280
Yxy	79.7337, 0.4043, 0.4753
Android (android.graphics.Color)	4293979476 (0xFFFF0ED54)
YUV	220.4550, -67.2723, 17.1410
Hunter-Lab	89.2937, -20.6913, 49.0909

Details

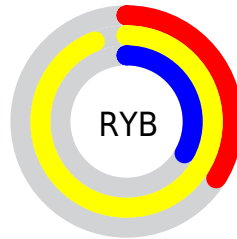
The XYZ color **67.8196, 79.7337, 20.2032** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **22.7927, 14.9924, 84.1301**, and the grayscale version is **68.7784, 72.3603, 78.8003**.

A 20% lighter version of the original color is **81.8077, 94.7031, 39.1671**, and **35.6662, 42.9060, 6.8538** is the 20% darker color. If you saturate the color by 10%, you get **66.9036, 79.1572, 16.0284**, and if you desaturate by 10%, it is **69.0616, 80.4471, 26.0767**.

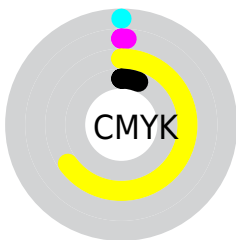
Distribution



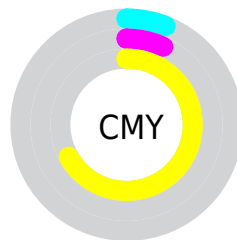
- Red (94%)
- Green (93%)
- Blue (33%)



- Red (34%)
- Yellow (94%)
- Blue (33%)



- Cyan (0%)
- Magenta (1%)
- Yellow (65%)
- Black (6%)





- Cyan (6%)
- Magenta (7%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8196, 79.7337, 20.2032 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 67.8196, 79.7337, 20.2032 by changing the saturation by 10% instead.


 67.8196, 79.7337,
20.2032

 67.8196, 79.7337,
20.2032


442.2433,
494.0349, 265.6536

 50.0241, 59.4992,
12.3573


 115.1374,
132.9913, 44.6210


 35.6504, 43.0151,
6.8620


 145.3904,
166.7832, 62.0301

 24.3332, 29.8970,
3.2988


 180.5266,
205.8630, 83.4639

 15.7070, 19.7604,
1.2492


 220.9114,
250.6151, 109.3410

 9.4066, 12.2210,
0.0196

266.9101,
301.4240, 140.0800

 5.0666, 6.8944,
0.0000

318.8881,

 2.3215, 3.3961,

358.6740, 176.0994

0.0000

377.2107,
422.7495, 217.8177

■ 0.8056, 1.3419,
0.0000

■ 0.0000, 0.1733,
0.0000

■ 67.8196, 79.7337,
20.2032

■ 67.8196, 79.7337,
20.2032

■ 66.9036, 79.1572,
16.0284

■ 69.0616, 80.4471,
26.0767

■ 66.2736, 78.6927,
13.3657


■ 70.6536, 81.2980,
33.7998


■ 65.8890, 78.3269,
11.9939


■ 72.6237, 82.3008,
43.5126


■ 65.7564, 78.1680,
11.6222


■ 74.9958, 83.4649,
55.3402

 77.7916, 84.7990,
69.3975

 81.0314, 86.3113,
85.7912

 84.7342, 88.0093,
104.6209

 85.3487, 88.4725,
107.1863

 85.4849, 88.7450,
107.2317

Harmonies

Analogous

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



86.6100, 79.7337, 20.8149



67.8196, 79.7337, 20.2032



53.7052, 79.7337, 31.3466

Triad

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



67.8196, 79.7337, 20.2032



52.5005, 79.7337, 178.3074



115.7119, 79.7337, 119.9505

Complementary

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



67.8196, 79.7337, 20.2032



22.7927, 14.9924, 84.1301

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.



103.2119, 79.7337, 185.4675



67.8196, 79.7337, 20.2032



65.9008, 79.7337, 227.5468

Square

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



67.8196, 79.7337, 20.2032



45.8931, 79.7337, 112.6911



84.3498, 79.7337, 230.6034



116.4546, 79.7337, 65.2406

Rectangle

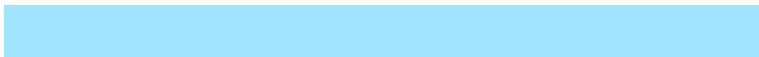
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.8196, 79.7337, 20.2032



47.9849, 79.7337, 48.2498



84.3498, 79.7337, 230.6034



112.6627, 79.7337, 141.8547

Sweetspot

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



67.8215, 79.7374, 20.2048



87.9117, 96.6713, 72.7694



40.9175, 25.5913, 12.2794



18.6212, 20.5982, 14.5931



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.



67.8215, 79.7374, 20.2048



76.5109, 90.6557, 17.2200



48.7394, 71.1975, 19.5622



17.0954, 18.4039, 16.8010



36.0083, 42.8148, 6.3662



3.0038, 3.5783, 0.5324

Inverse Universe

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



22.7927, 14.9924, 84.1301



21.2980, 11.2866, 95.6637



32.7649, 19.7809, 84.5288



14.9216, 15.2773, 19.8840



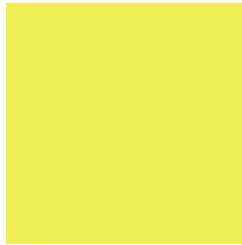
8.6481, 3.5204, 45.3516



0.7279, 0.3099, 3.7757

Previews

White Background



This preview shows how the XYZ color 67.8196, 79.7337, 20.2032 looks on a white background.

Color Contrast Check

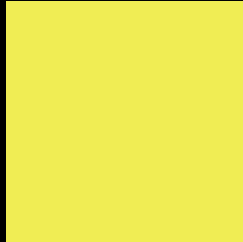
Large Text (above 18pt) WCAG AA × Fail

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 67.8196, 79.7337, 20.2032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

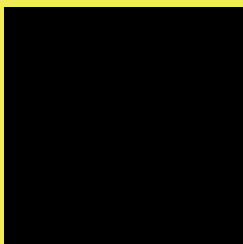
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

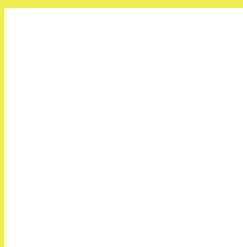
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8196, 79.7337, 20.2032

Background



This preview shows how black text looks on a background with the XYZ color 67.8196, 79.7337, 20.2032.

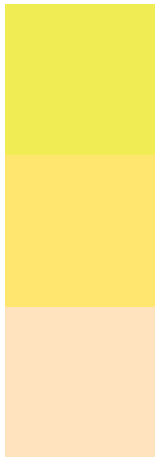


This preview shows how white text looks on a background with the XYZ color 67.8196, 79.7337,

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

67.8196, 79.7337, 20.2032

Protanopia

72.6852, 79.5595, 26.5645

Deuteranopia

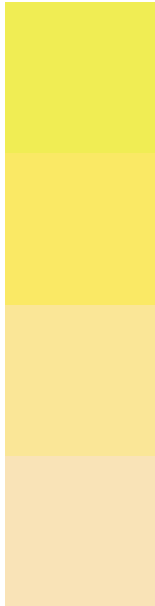
77.7306, 79.3704, 59.9384



Tritanopia

82.5743, 79.5454, 92.6630

Trichromacy



Original Color

67.8196, 79.7337, 20.2032

Protanomaly

70.9122, 79.5414, 23.9275

Deuteranomaly

73.3071, 79.1520, 40.6923

Tritanomaly

75.0833, 78.4968, 55.9938

Monochromacy



Original Color

67.8196, 79.7337, 20.2032

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.2256, 73.6639, 49.2562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8196, 79.7337, 20.2032 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(240, 237, 84)` looks like.

```
.text, #text, p{  
    color:rgb(240, 237, 84)  
}
```

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(240, 237, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 237, 84) }
```

Border

The CSS property to change the border of an element to XYZ 67.8196, 79.7337, 20.2032 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(240, 237, 84) }
```


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

```
.border{ border-color:rgb(240, 237, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 237, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 237, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 237, 84);  
box-shadow:4px 4px 4px 4px rgb(240, 237,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8196, 79.7337, 20.2032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 237, 84) }
```

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

```
.background{ background-color: rgb(240,  
237, 84) }
```

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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