

Converting Colors

XYZ(74.8937, 86.1611, 20.5663)

Have a look what the booklet for
XYZ(74.8937, 86.1611, 20.5663)
contains.

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Color

**XYZ(74.8136, 85.9704,
20.6335)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF352
RGB	255, 243, 82
RGB Percent	100%, 95%, 32%
CMY	0.0000, 0.0470, 0.6784
CMYK	0.00, 0.05, 0.68, 0.00
HSL	56°, 100%, 66%
HSV	56°, 68%, 100%
XYZ	74.8136, 85.9704, 20.6335
YIQ	228.2340, 58.8330, -47.5270

Conversions

Conversions Part 2

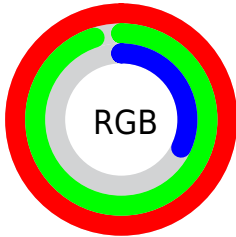
Format	Color
R_{YB}	95, 255, 82
Decimal	16773970
CIE _{Lab}	94.30, -13.77, 75.29
CIE _{LCh}	94, 76.544, 100.367
Yxy	85.9704, 0.4124, 0.4739
Android (android.graphics.Color)	4294964050 (0xFFFFFFFF352)
YUV	228.2340, -72.0934, 23.4738
Hunter-Lab	92.7202, -18.2333, 51.7101

Details

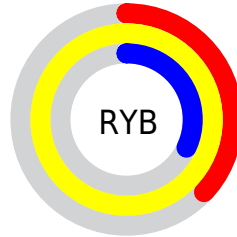
The XYZ color **74.8136, 85.9704, 20.6335** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **25.5326, 17.0191, 96.5465**, and the grayscale version is **74.3976, 78.2721, 85.2383**.

A 20% lighter version of the original color is **81.6602, 94.6441, 38.3903**, and **40.2924, 47.1493, 7.0632** is the 20% darker color. If you saturate the color by 10%, you get **73.4921, 84.6026, 16.2630**, and if you desaturate by 10%, it is **76.5045, 87.5006, 26.9068**.

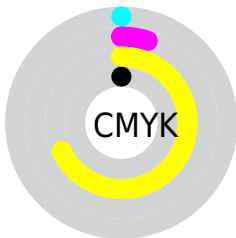
Distribution



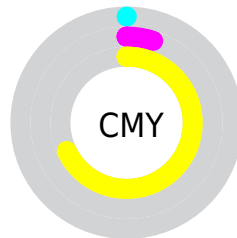
- Red (100%)
- Green (95%)
- Blue (32%)



- Red (37%)
- Yellow (100%)
- Blue (32%)



- Cyan (0%)
- Magenta (5%)
- Yellow (68%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.8136, 85.9704, 20.6335 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 74.8136, 85.9704, 20.6335 by changing the saturation by 10% instead.


 74.8136, 85.9704,
20.6335

 74.8136, 85.9704,
20.6335


466.2837,
514.8336, 268.0411

 55.7538, 64.6435,
12.6677


 125.0378,
141.7282, 45.3496


 40.2418, 47.1721,
7.0721


 156.9329,
176.9278, 62.9371

 27.9122, 33.1717,
3.4281


 193.8372,
217.5206, 84.5688

 18.3996, 22.2580,
1.3172

 236.1161,
263.8907, 110.6634

 11.3387, 14.0466,
0.0758

284.1348,
316.4227, 141.6394

 6.3641, 8.1531,
0.0000

338.2587,

 3.1105, 4.1931,

375.5009, 177.9153

0.0000

398.8532,
441.5097, 219.9097

■ 1.2124, 1.7821,
0.0000

■ 0.1162, 0.4760,
0.0000

■ 74.8136, 85.9704,
20.6335

■ 74.8136, 85.9704,
20.6335

■ 73.4921, 84.6026,
16.2630

■ 76.5045, 87.5006,
26.9068

■ 72.4918, 83.3682,
13.5677


■ 78.5947, 89.1954,
35.2663


■ 71.7582, 82.2486,
12.2516

■ 81.1177, 91.0715,
45.8794

■ 71.6172, 82.0149,
12.0558

■ 84.1018, 93.1403,
58.8955

 87.5729, 95.4122,
74.4508

 91.5551, 97.8967,
92.6715

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



95.7030, 85.9704, 22.4063



74.8136, 85.9704, 20.6335



58.7229, 85.9704, 31.1985

Triad

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



74.8136, 85.9704, 20.6335



55.1799, 85.9704, 187.5591



124.8068, 85.9704, 136.9513

Complementary

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



74.8136, 85.9704, 20.6335



25.5326, 17.0191, 96.5465

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.



110.0328, 85.9704, 208.8356



74.8136, 85.9704, 20.6335



69.1562, 85.9704, 245.5261

Square

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



74.8136, 85.9704, 20.6335



48.7134, 85.9704, 115.4571



89.0225, 85.9704, 254.6238



127.0080, 85.9704, 74.7040

Rectangle

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



74.8136, 85.9704, 20.6335



51.9838, 85.9704, 48.1049



89.0225, 85.9704, 254.6238



121.0424, 85.9704, 161.3534

Sweetspot

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



74.8156, 85.9744, 20.6352



86.7816, 94.9046, 70.8713



46.3882, 28.1476, 14.1565



18.3617, 20.1750, 14.2112



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.



74.8156, 85.9744, 20.6352



73.1439, 84.1992, 15.2422



56.7920, 82.1861, 20.8540



19.4471, 20.8623, 19.1462



37.4676, 42.9464, 6.3147



3.6791, 4.2437, 0.6252

Inverse Universe

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



25.5326, 17.0191, 96.5465



21.0550, 11.3888, 95.6963



34.4104, 20.1338, 96.6798



17.1041, 17.5798, 22.7417



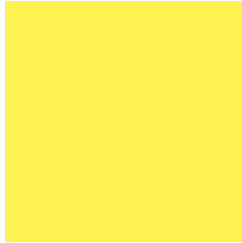
9.5788, 4.0671, 49.7148



0.9663, 0.4633, 4.8518

Previews

White Background



This preview shows how the XYZ color 74.8136, 85.9704, 20.6335 looks on a white background.

Color Contrast Check

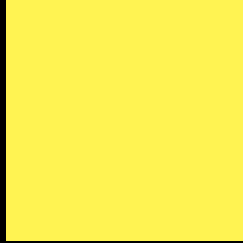
Large Text (above 18pt) WCAG AA × Fail

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 74.8136, 85.9704, 20.6335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

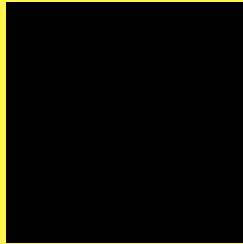
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 74.8136, 85.9704, 20.6335

Background



This preview shows how black text looks on a background with the XYZ color 74.8136, 85.9704, 20.6335.



This preview shows how white text looks on a background with the XYZ color 74.8136, 85.9704,

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

74.8136, 85.9704, 20.6335

Protanopia

79.5529, 85.9716, 51.4310

Deuteranopia

83.1191, 86.0044, 74.5070



Tritanopia

86.4059, 85.9486, 96.0401

Trichromacy



Original Color

74.8136, 85.9704, 20.6335



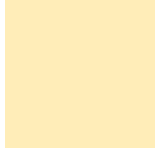
Protanomaly

77.0603, 85.4443, 36.8570



Deuteranomaly

78.8980, 85.7096, 47.9825



Tritanomaly

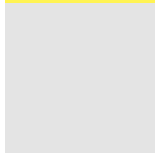
80.1759, 85.2891, 57.5841

Monochromacy



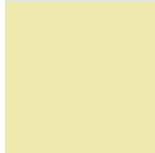
Original Color

74.8136, 85.9704, 20.6335



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

72.1367, 79.5501, 52.1101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.8136, 85.9704, 20.6335 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(255, 243, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 82)  
}
```

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(255, 243, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 82) }
```

Border

The CSS property to change the border of an element to XYZ 74.8136, 85.9704, 20.6335 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(255, 243, 82) }
```


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

```
.border{ border-color:rgb(255, 243, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 74.8136, 85.9704, 20.6335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 82) }
```

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

```
.background{ background-color: rgb(255,  
243, 82) }
```

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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