

Converting Colors

XYZ(75.9651, 84.1287, 64.7906)

Have a look what the booklet for
XYZ(75.9651, 84.1287, 64.7906)
contains.

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Color

**XYZ(76.1632, 84.3559,
65.0914)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF0C5
RGB	237, 240, 197
RGB Percent	93%, 94%, 77%
CMY	0.0706, 0.0588, 0.2274
CMYK	0.01, 0.00, 0.18, 0.06
HSL	64°, 59%, 86%
HSV	64°, 18%, 94%
XYZ	76.1632, 84.3559, 65.0914
YIQ	234.2010, 12.0150, -14.0090

Conversions

Conversions Part 2

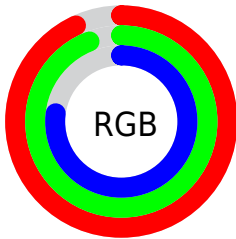
Format	Color
R_{YB}	197, 240, 200
Decimal	15593669
CIE _{Lab}	93.60, -8.02, 20.49
CIE _{LCh}	94, 22.006, 111.374
Yxy	84.3559, 0.3376, 0.3739
Android (android.graphics.Color)	4293783749 (0xFFEDF0C5)
YUV	234.2010, -18.3401, 2.4547
Hunter-Lab	91.8455, -12.7078, 22.2727

Details

The XYZ color **76.1632, 84.3559, 65.0914** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.5171, 58.5054, 90.5984**, and the grayscale version is **78.4891, 82.5766, 89.9259**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **41.1545, 46.0879, 32.7134** is the 20% darker color. If you saturate the color by 10%, you get **73.0727, 83.0582, 51.7164**, and if you desaturate by 10%, it is **79.7013, 85.8390, 80.7763**.

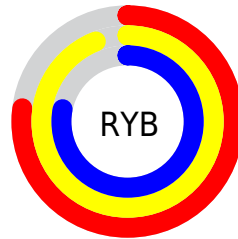
Distribution



Red (93%)

Green (94%)

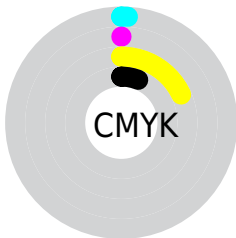
Blue (77%)



Red (77%)

Yellow (94%)

Blue (78%)

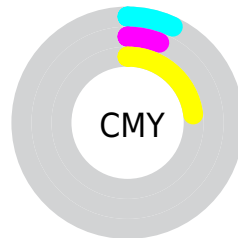


Cyan (1%)

Magenta (0%)

Yellow (18%)

Black (6%)



Cyan (7%)

Magenta (6%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.1632, 84.3559, 65.0914 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 76.1632, 84.3559, 65.0914 by changing the saturation by 10% instead.

76.1632, 84.3559,
65.0914

76.1632, 84.3559,
65.0914

470.8420,
509.4943, 461.4355

56.8639, 63.3093,
47.0834

126.9367,
139.4729, 113.7958

41.1357, 46.0915,
32.7468

159.1416,
174.3121, 145.3292

28.6132, 32.3180,
21.6630

196.3790,
214.5177, 182.2082

18.9312, 21.6045,
13.4135

239.0144,
260.4740, 224.8513

11.7243, 13.5666,
7.5799

287.4130,
312.5654, 273.6771

6.6271, 7.8199,
3.7434

341.9402,

3.2743, 3.9799,

371.1763, 329.1040

1.4857

402.9614,
436.6912, 391.5506

■ 1.3004, 1.6623,
0.2072

■ 0.1835, 0.3991,
0.0000

■ 76.1632, 84.3559,
65.0914

■ 76.1632, 84.3559,
65.0914

■ 73.0727, 83.0582,
51.7164

■ 79.7013, 85.8390,
80.7763

■ 70.4025, 81.9263,
40.5369

■ 83.6996, 87.5039,
98.8672

■ 68.1323, 80.9550,
31.4370

■ 85.8408, 88.4266,
107.1515

■ 66.2378, 80.1346,
24.2882

■ 86.4193, 88.7248,
107.1786

64.6918, 79.4542,
18.9476

87.0030, 89.0257,
107.2059

63.4634, 78.9015,
15.2526

87.5920, 89.3294,
107.2334

62.5163, 78.4619,
13.0120

88.1864, 89.6358,
107.2613

61.8008, 78.1155,
11.9640

88.7861, 89.9449,
107.2893

61.6656, 78.0489,
11.8148

89.3911, 90.2568,
107.3176

Harmonies

Analogous

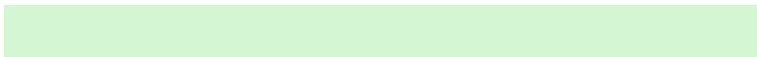
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8699, 84.3559, 63.6366



76.1632, 84.3559, 65.0914



71.7392, 84.3559, 73.2396

Triad

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



76.1632, 84.3559, 65.0914



73.3851, 84.3559, 119.2676



91.7733, 84.3559, 96.7463

Complementary

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



76.1632, 84.3559, 65.0914



59.5171, 58.5054, 90.5984

Split Complementary

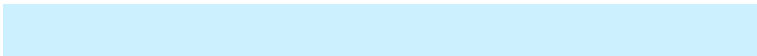
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2534, 84.3559, 113.3710



76.1632, 84.3559, 65.0914



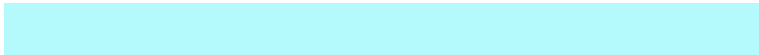
78.5091, 84.3559, 127.3673

Square

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



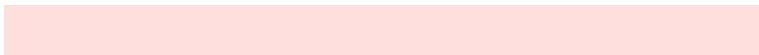
76.1632, 84.3559, 65.0914



70.1902, 84.3559, 104.0474



84.3310, 84.3559, 125.0878



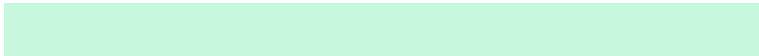
91.0705, 84.3559, 80.6438

Rectangle

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



76.1632, 84.3559, 65.0914



70.0221, 84.3559, 81.9772



84.3310, 84.3559, 125.0878



91.2707, 84.3559, 102.4836

Sweetspot

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



76.1654, 84.3596, 65.0932



92.7376, 99.0373, 98.4297



66.6394, 63.8055, 61.6279



19.7824, 21.1700, 20.7652



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.



76.1654, 84.3596, 65.0932



85.8696, 96.1629, 68.0075



69.4519, 80.8987, 64.7790



17.0075, 18.3995, 16.8048



33.8021, 42.7472, 6.4695



2.8445, 3.5729, 0.5397

Inverse Universe

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



59.5171, 58.5054, 90.5984



63.0301, 60.6921, 103.0004



65.6276, 61.6555, 90.8844



14.9995, 15.2815, 19.8807



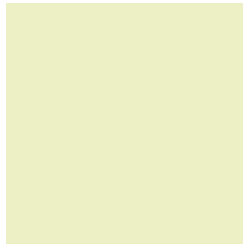
8.7733, 3.5282, 45.3465



0.7653, 0.3118, 3.7741

Previews

White Background



This preview shows how the XYZ color 76.1632, 84.3559, 65.0914 looks on a white background.

Color Contrast Check

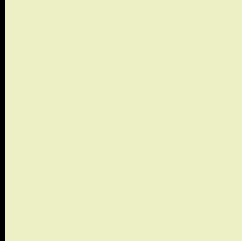
Large Text (above 18pt) WCAG AA × Fail

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 76.1632, 84.3559, 65.0914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

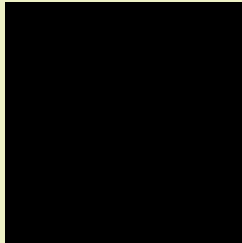
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

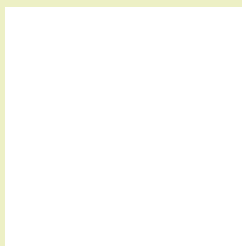
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.1632, 84.3559, 65.0914

Background



This preview shows how black text looks on a background with the XYZ color 76.1632, 84.3559, 65.0914.

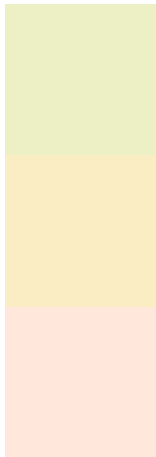


This preview shows how white text looks on a background with the XYZ color 76.1632, 84.3559,

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

76.1632, 84.3559, 65.0914

Protanopia

79.2701, 84.2550, 63.7146

Deuteranopia

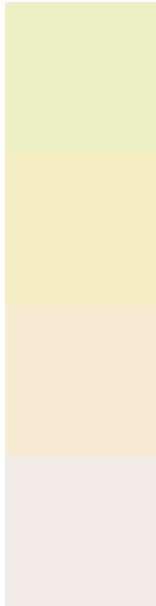
82.8828, 84.0877, 78.8800



Tritanopia

83.8597, 84.4760, 103.1524

Trichromacy



Original Color

76.1632, 84.3559, 65.0914

Protanomaly

77.9042, 83.9664, 64.3257

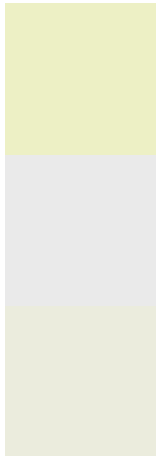
Deuteranomaly

80.1776, 84.0763, 73.6305

Tritanomaly

80.6949, 84.4612, 87.6509

Monochromacy



Original Color

76.1632, 84.3559, 65.0914

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.3075, 82.8735, 80.3283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1632, 84.3559, 65.0914 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(237, 240, 197)` looks like.

```
.text, #text, p{  
    color:rgb(237, 240, 197)  
}
```

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(237, 240, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 240, 197) }
```

Border

The CSS property to change the border of an element to XYZ 76.1632, 84.3559, 65.0914 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(237, 240, 197) }
```


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

```
.border{ border-color:rgb(237, 240, 197) }
```

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

Here you see how a box with a 4 pixel rgb(237, 240, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 240, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 240, 197);  
box-shadow:4px 4px 4px 4px rgb(237, 240,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1632, 84.3559, 65.0914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 240, 197) }
```

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

```
.background{ background-color: rgb(237,  
240, 197) }
```

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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