

Converting Colors

XYZ(78.4662, 84.8062, 77.7912)

Have a look what the booklet for
XYZ(78.4662, 84.8062, 77.7912)
contains.

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Color

**XYZ(78.6508, 84.9199,
77.8915)**

Conversions

Conversions Part 1

Format	Color
Hex	EEEEFD9
RGB	238, 239, 217
RGB Percent	93%, 94%, 85%
CMY	0.0667, 0.0627, 0.1490
CMYK	0.00, 0.00, 0.09, 0.06
HSL	63°, 41%, 89%
HSV	63°, 9%, 94%
XYZ	78.6508, 84.9199, 77.8915
YIQ	236.1930, 6.4660, -7.0540

Conversions

Conversions Part 2

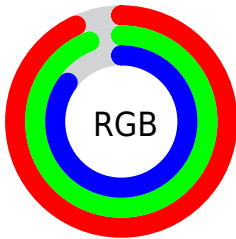
Format	Color
R_{YB}	217, 239, 218
Decimal	15658969
CIE _{Lab}	93.85, -4.07, 10.52
CIE _{LCh}	94, 11.282, 111.140
Yxy	84.9199, 0.3257, 0.3517
Android (android.graphics.Color)	4293849049 (0xFFEEFFD9)
YUV	236.1930, -9.4621, 1.5847
Hunter-Lab	92.1520, -8.9180, 14.3915

Details

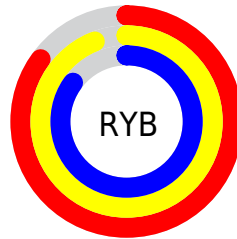
The XYZ color **78.6508, 84.9199, 77.8915** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **69.3096, 70.7654, 91.6719**, and the grayscale version is **79.9454, 84.1087, 91.5944**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7465, 46.4207, 40.8895** is the 20% darker color. If you saturate the color by 10%, you get **75.4001, 83.5802, 62.6699**, and if you desaturate by 10%, it is **82.3586, 86.4483, 95.4881**.

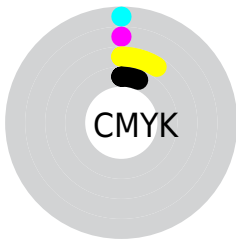
Distribution



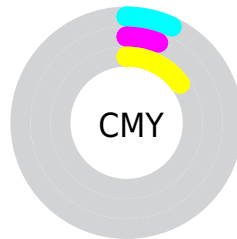
- Red (93%)
- Green (94%)
- Blue (85%)



- Red (85%)
- Yellow (94%)
- Blue (85%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)
- Black (6%)



- Cyan (7%)
- Magenta (6%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.6508, 84.9199, 77.8915 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 78.6508, 84.9199, 77.8915 by changing the saturation by 10% instead.

78.6508, 84.9199,
77.8915

78.6508, 84.9199,
77.8915

479.1803,
511.3630, 507.3164

58.9134, 63.7752,
57.4689

130.4277,
140.2613, 132.1816

42.7895, 46.4686,
40.9700

163.1978,
175.2267, 166.8863

29.9138, 32.6158,
27.9761

201.0429,
215.5679, 207.1887

19.9209, 21.8323,
18.0688

244.3284,
261.6691, 253.5075

12.4455, 13.7337,
10.8294

293.4194,
313.9148, 306.2611

7.1222, 7.9357,
5.8395

348.6816,

3.5856, 4.0538,

372.6895, 365.8681

2.6805

410.4801,
438.3774, 432.7470

■ 1.4705, 1.7037,
0.9336

■ 0.3056, 0.4261,
0.0000

■ 78.6508, 84.9199,
77.8915

■ 78.6508, 84.9199,
77.8915

■ 75.4001, 83.5802,
62.6699

■ 82.3586, 86.4483,
95.4881

■ 72.5804, 82.4104,
49.7164

■ 84.9158, 87.5138,
107.0241

■ 70.1732, 81.4058,
38.9239

■ 85.2878, 87.7056,
107.0415

■ 68.1563, 80.5576,
30.1748

■ 85.6620, 87.8985,
107.0590

66.5051, 79.8560,
23.3402

86.0384, 88.0926,
107.0766

65.1924, 79.2899,
18.2763

86.4171, 88.2878,
107.0943

64.1870, 78.8471,
14.8195

86.7980, 88.4842,
107.1121

63.4521, 78.5127,
12.7756

87.1812, 88.6817,
107.1301

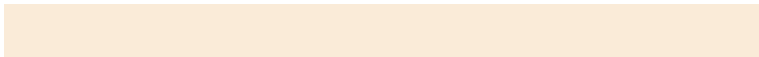
62.9306, 78.2640,
11.8441

87.5667, 88.8804,
107.1481

Harmonies

Analogous

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



81.6058, 84.9199, 77.0783



78.6508, 84.9199, 77.8915



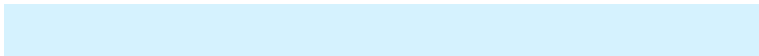
76.3038, 84.9199, 82.4783

Triad

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



78.6508, 84.9199, 77.8915



77.1475, 84.9199, 105.9366



86.5501, 84.9199, 95.0319

Complementary

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



78.6508, 84.9199, 77.8915



69.3096, 70.7654, 91.6719

Split Complementary

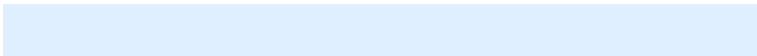
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.2905, 84.9199, 103.2234



78.6508, 84.9199, 77.8915



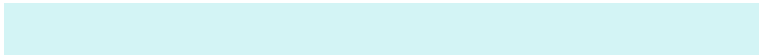
79.8284, 84.9199, 109.7704

Square

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



78.6508, 84.9199, 77.8915



75.4510, 84.9199, 98.5517



82.8126, 84.9199, 108.7478



86.2158, 84.9199, 86.6311

Rectangle

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



78.6508, 84.9199, 77.8915



75.3760, 84.9199, 87.2239



82.8126, 84.9199, 108.7478



86.2979, 84.9199, 97.9085

Sweetspot

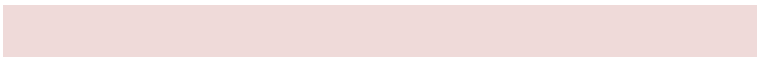
The Sweet Spot groups the original color and five complimentary colors.



78.6531, 84.9236, 77.8933



93.7142, 99.4508, 102.5358



73.1260, 73.3672, 75.9540



19.9840, 21.2559, 21.5921



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.



78.6531, 84.9236, 77.8933



90.3886, 98.0812, 86.8044



75.1567, 83.1212, 77.7297



17.0474, 18.4201, 16.8067



34.7855, 43.2541, 6.5155



2.9157, 3.6096, 0.5431

Inverse Universe

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



69.3096, 70.7654, 91.6719



77.5736, 78.6626, 105.7026



72.6235, 72.4738, 91.8270



14.9640, 15.2631, 19.8790



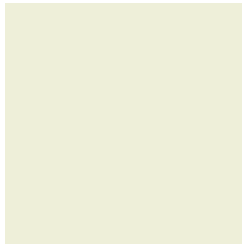
8.7148, 3.4980, 45.3437



0.7483, 0.3030, 3.7733

Previews

White Background



This preview shows how the XYZ color 78.6508, 84.9199, 77.8915 looks on a white background.

Color Contrast Check

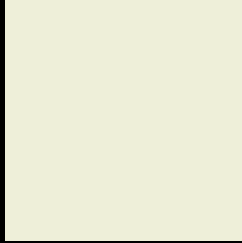
Large Text (above 18pt) WCAG AA × Fail

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 78.6508, 84.9199, 77.8915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

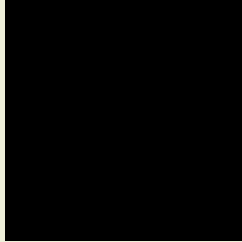
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

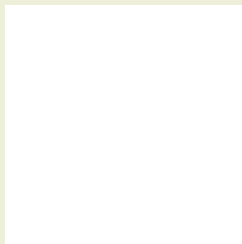
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.6508, 84.9199, 77.8915

Background



This preview shows how black text looks on a background with the XYZ color 78.6508, 84.9199, 77.8915.



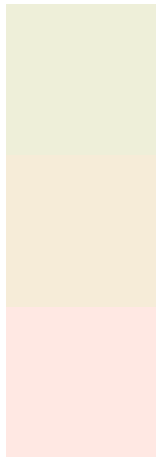
This preview shows how white text looks on a background with the XYZ color 78.6508, 84.9199,

77.8915.

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

78.6508, 84.9199, 77.8915

Protanopia

80.3962, 84.5416, 77.0466

Deuteranopia

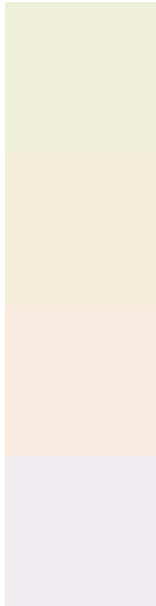
83.9617, 84.5193, 84.5616



Tritanopia

83.9557, 84.9286, 104.0634

Trichromacy



Original Color

78.6508, 84.9199, 77.8915

Protanomaly

79.6410, 84.5809, 77.0940

Deuteranomaly

82.0945, 84.8841, 81.8695

Tritanomaly

81.8511, 84.9237, 93.7392

Monochromacy



Original Color

78.6508, 84.9199, 77.8915

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.3521, 84.2300, 86.2045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6508, 84.9199, 77.8915 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(238, 239, 217) looks like.

```
.text, #text, p{  
    color:rgb(238, 239, 217)  
}
```

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(238, 239, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 239, 217) }
```

Border

The CSS property to change the border of an element to XYZ 78.6508, 84.9199, 77.8915 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(238, 239, 217) }
```


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

```
.border{ border-color:rgb(238, 239, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 239, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 239, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 239, 217);  
box-shadow:4px 4px 4px 4px rgb(238, 239,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6508, 84.9199, 77.8915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 239, 217) }
```

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

```
.background{ background-color: rgb(238,  
239, 217) }
```

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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