# Converting Colors

XYZ(88.1594, 97.1791, 96.2465)

Have a look what the booklet for XYZ(88.1594, 97.1791, 96.2465) contains.

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# Color

XYZ(87.7638, 96.5120, 96.4411)

# Conversions

Conversions Part 1

| Format | Color |
|---|---|
| Hex | F1FFF0 |
| RGB | 241, 255, 240 |
| RGB Percent | 95%, 100%, 94% |
| CMY | 0.0549, 0.0000, 0.0588 |
| CMYK | 0.05, 0.00, 0.06, 0.00 |
| HSL | 116°, 100%, 97% |
| HSV | 116°, 6%, 100% |
| XYZ | 87.7638, 96.5120, 96.4411 |
| YIQ | 249.1040, -3.5290, -7.6330 |

# Conversions

Conversions Part 2

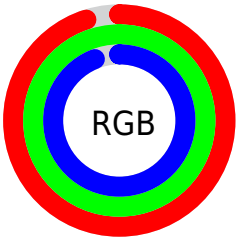
| Format | Color |
|---|---|
| RYB | 240, 255, 254 |
| Decimal | 15859696 |
| CIELab | 98.64, -7.23, 5.58 |
| CIELCh | 99, 9.130, 142.363 |
| Yxy | 96.5120, 0.3126, 0.3438 |
| Android (android.graphics.Color) | 4294049776 (0xFFF1FFF0) |
| YUV | 249.1040, -4.4883, -7.1072 |
| Hunter-Lab | 98.2405, -12.4568, 10.5643 |

# Details

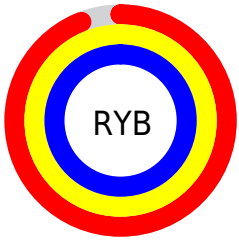
The XYZ color 87.7638, 96.5120, 96.4411 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 90.0838, 90.6121, 107.3497, and the grayscale version is 90.1653, 94.8610, 103.3036.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 48.8534, 54.1631, 53.2271 is the 20% darker color. If you saturate the color by 10%, you get 76.6370, 91.1833, 77.5158, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

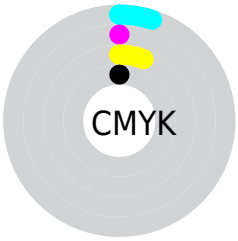
# Distribution



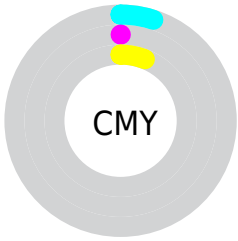

- Red (95%)
- Green (100%)
- Blue (94%)




- Red (94%)
- Yellow (100%)
- Blue (100%)




- Cyan (5%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.7638, 96.5120, 96.4411 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 87.7638, 96.5120, 96.4411 by changing the saturation by 10% instead.

87.7638, 96.5120, 96.4411

87.7638, 96.5120, 96.4411

509.0764, 548.9942, 569.8701

66.4576, 73.3941, 72.7315

143.1225, 156.3518, 158.2667

48.9131, 54.2982, 53.2659

177.9057, 193.8425, 197.2198

34.7648, 38.8401, 37.6259

217.9119, 236.8929, 242.0911

23.6474, 26.6354, 25.3929

263.5066, 285.8874, 293.2992

15.1956, 17.2996, 16.1484

315.0550, 341.2104, 351.2626

9.0440, 10.4483, 9.4737

372.9226,

4.8272, 5.6972,

403.2463, 416.3998

437.4746, 472.3794, 489.1295

4.9504

2.1800, 2.6618, 2.1600

0.7321, 0.9579, 0.6511

87.7638, 96.5120, 96.4411

87.7638, 96.5120, 96.4411

76.6370, 91.1833, 77.5158

95.0500, 100.0000, 108.9000

67.0403, 86.5845, 61.3242

58.9074, 82.6840, 47.7414

52.1663, 79.4478, 36.6310

46.7388, 76.8387, 27.8441

42.5391, 74.8160, 21.2161

39.4709, 73.3341, 16.5607

37.4237, 72.3409, 13.6600

36.2643, 71.7733, 12.2440

# Harmonies

## Analogous

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

89.8107, 96.5120, 92.1852

87.7638, 96.5120, 96.4411

86.7839, 96.5120, 103.1618

# Triad

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

87.7638, 96.5120, 96.4411

91.0577, 96.5120, 120.1892

96.5149, 96.5120, 99.6414

# Complementary

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

87.7638, 96.5120, 96.4411

90.0838, 90.6121, 107.3497

# 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.

96.8643, 96.5120, 107.0323

87.7638, 96.5120, 96.4411

93.6800, 96.5120, 119.1357

# Square

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

87.7638, 96.5120, 96.4411

88.6616, 96.5120, 117.0440

95.8176, 96.5120, 114.2309

94.8719, 96.5120, 93.9700

# Rectangle

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

87.7638, 96.5120, 96.4411

86.8540, 96.5120, 108.2340

95.8176, 96.5120, 114.2309

96.7888, 96.5120, 101.9980

# Sweetspot

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

87.7646, 96.5124, 96.4426

92.5100, 98.7842, 104.5517

92.4103, 98.4351, 96.5688

19.8276, 21.1566, 22.4239

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.



87.7646, 96.5124, 96.4426



86.4421, 95.8792, 94.1863



88.4074, 96.7302, 101.6038

18.3512, 20.4498, 19.9022

18.8477, 37.4544, 6.2361

1.8725, 3.6661, 0.6089

# Inverse Universe

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



90.0838, 90.6121, 107.3497



89.1812, 88.9103, 107.0688



89.4217, 90.3897, 101.9488

18.9854, 18.8362, 22.8851

27.9068, 13.2970, 50.5303

2.7518, 1.3125, 4.9216

# Previews

## White Background

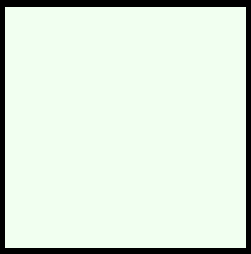


This preview shows how the XYZ color 87.7638, 96.5120, 96.4411 looks on a white background.

### 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



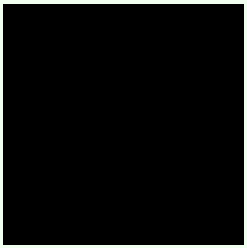
This preview shows how the XYZ color 87.7638, 96.5120, 96.4411 looks on a black background.

### 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 87.7638, 96.5120, 96.4411 Background



This preview shows how black text looks on a background with the XYZ color 87.7638, 96.5120, 96.4411.

This preview shows how white text looks on a background with the XYZ color 87.7638, 96.5120,

96.4411.

# 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**
87.7638, 96.5120, 96.4411

**Protanopia**
91.7547, 96.1629, 99.3132

**Deuteranopia**
92.6809, 96.5333, 104.1905

**Tritanopia**
91.9715, 96.5384, 108.3941

# Trichromacy

**Original Color**
87.7638, 96.5120, 96.4411

**Protanomaly**
90.4124, 96.4159, 98.6389

**Deuteranomaly**
90.8693, 96.5986, 101.0449

**Tritanomaly**
90.4235, 96.2971, 104.2638

# Monochromacy

**Original Color**
87.7638, 96.5120, 96.4411

**Achromatopsia**
90.0415, 94.7307, 103.1617

**Achromatomaly**
89.1378, 95.2410, 100.8741

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.7638, 96.5120, 96.4411 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(241, 255, 240) looks like.

```
.text, #text, p{
    color:rgb(241, 255, 240)
}
```

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(241, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 240) }
```

# Border

The CSS property to change the border of an element to XYZ 87.7638, 96.5120, 96.4411 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(241, 255, 240) }
```

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

```
.border{ border-color:rgb(241, 255, 240) }
```

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

Here you see how a box with a 4 pixel rgb(241, 255, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(241, 255, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(241, 255, 240); box-shadow:4px 4px 4px 4px rgb(241, 255, 240) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.7638, 96.5120, 96.4411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(241, 255, 240) }
```

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

```
.background{ background-color:rgb(241,
255, 240) }
```

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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