

Converting Colors

XYZ(41.7543, 60.9020, 35.0610)

Have a look what the booklet for
XYZ(41.7543, 60.9020, 35.0610)
contains.

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Color

**XYZ(41.7994, 60.9543,
35.1535)**

Conversions

Conversions Part 1

Format	Color
Hex	87E18E
RGB	135, 225, 142
RGB Percent	53%, 88%, 56%
CMY	0.4706, 0.1176, 0.4431
CMYK	0.40, 0.00, 0.37, 0.12
HSL	125°, 60%, 71%
HSV	125°, 40%, 88%
XYZ	41.7994, 60.9543, 35.1535
YIQ	188.6280, -26.9970, -44.8930

Conversions

Conversions Part 2

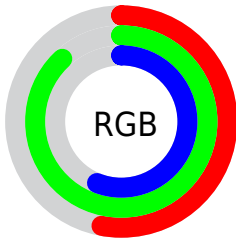
Format	Color
RYB	135, 219, 225
Decimal	8905102
CIELab	82.35, -43.71, 32.37
CIElCh	82, 54.392, 143.476
Yxy	60.9543, 0.3031, 0.4420
Android (android.graphics.Color)	4287095182 (0xFF87E18E)
YUV	188.6280, -22.9876, -47.0318
Hunter-Lab	78.0732, -41.0616, 27.9552

Details

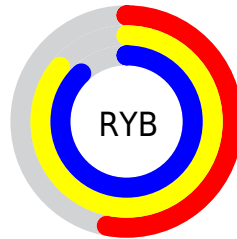
The XYZ color **41.7994, 60.9543, 35.1535** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **52.3722, 38.3987, 70.9833**, and the grayscale version is **48.2967, 50.8119, 55.3342**.

A 20% lighter version of the original color is **67.4620, 86.7120, 65.4060**, and **19.3007, 30.7935, 14.8240** is the 20% darker color. If you saturate the color by 10%, you get **37.1391, 58.7171, 27.5465**, and if you desaturate by 10%, it is **47.5178, 63.7069, 44.3265**.

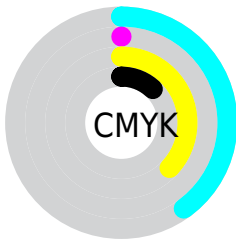
Distribution



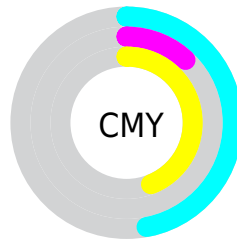
- Red (53%)
- Green (88%)
- Blue (56%)



- Red (53%)
- Yellow (86%)
- Blue (88%)



- Cyan (40%)
- Magenta (0%)
- Yellow (37%)
- Black (12%)



- Cyan (47%)
- Magenta (12%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7994, 60.9543, 35.1535 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 41.7994, 60.9543, 35.1535 by changing the saturation by 10% instead.

41.7994, 60.9543,
35.1535

41.7994, 60.9543,
35.1535

344.6565,
428.1064, 340.1702

29.1347, 44.1883,
23.4966

77.1630, 106.2128,
68.8778

19.3275, 30.8186,
14.7519

100.5926,
135.4740, 91.7822

12.0126, 20.4607,
8.5008

128.3412,
169.6691, 119.2730

6.8245, 12.7304,
4.3247

160.7741,
209.1825, 151.7686

3.3979, 7.2432,
1.8051

198.2568,
254.3985, 189.6876

1.3675, 3.6146,
0.4313

241.1545,

0.2329, 1.4604,

305.7016, 233.4485

0.0000

289.8326,
363.4761, 283.4698

■ 0.0000, 0.2606,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.7994, 60.9543,
35.1535

■ 41.7994, 60.9543,
35.1535

■ 37.1391, 58.7171,
27.5465

■ 47.5178, 63.7069,
44.3265

■ 33.4675, 56.9563,
21.4141


■ 54.3490, 66.9962,
55.1417


■ 30.7144, 55.6393,
16.6621


■ 62.3492, 70.8514,
67.6755


■ 28.7980, 54.7264,
13.1834

■ 71.5697, 75.2972,
81.9982

 27.6223, 54.1706,
10.8552

 82.0587, 80.3573,
98.1760

 27.0315, 53.8948,
9.5292

 86.2164, 82.3328,
105.9555

Harmonies

Analogous

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



49.4983, 60.9543, 23.3346



41.7994, 60.9543, 35.1535



38.4843, 60.9543, 59.3734

Triad

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



41.7994, 60.9543, 35.1535



55.4382, 60.9543, 152.1874



80.8905, 60.9543, 44.0404

Complementary

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



41.7994, 60.9543, 35.1535



52.3722, 38.3987, 70.9833

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.



83.0344, 60.9543, 73.8933



41.7994, 60.9543, 35.1535



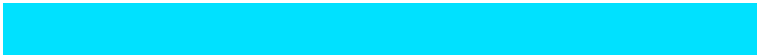
67.2802, 60.9543, 143.8710

Square

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



41.7994, 60.9543, 35.1535



45.6510, 60.9543, 132.0553



77.7663, 60.9543, 112.0965



72.2464, 60.9543, 27.1394

Rectangle

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



41.7994, 60.9543, 35.1535



38.8428, 60.9543, 82.3912



77.7663, 60.9543, 112.0965



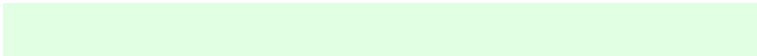
82.4390, 60.9543, 52.5713

Sweetspot

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



41.8010, 60.9569, 35.1549



80.4594, 92.9652, 86.2176



60.5143, 70.6628, 33.3720



16.9124, 19.7494, 17.9707



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.



41.8010, 60.9569, 35.1549



50.2614, 78.4307, 38.1285



45.7815, 62.5491, 56.1163



13.5718, 15.3545, 14.7805



15.5927, 31.0619, 5.5781



1.0961, 2.1592, 0.4672

Inverse Universe

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



52.3722, 38.3987, 70.9833



66.1275, 44.5476, 91.8832



47.3571, 36.3927, 44.5743



14.2466, 13.9163, 17.0688



24.4382, 11.8423, 35.3030



1.7078, 0.8264, 2.5201

Previews

White Background



This preview shows how the XYZ color 41.7994, 60.9543, 35.1535 looks on a white background.

Color Contrast Check

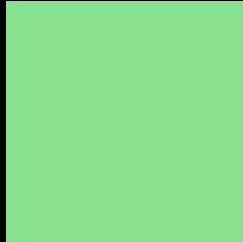
Large Text (above 18pt) WCAG AA × Fail

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 41.7994, 60.9543, 35.1535 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

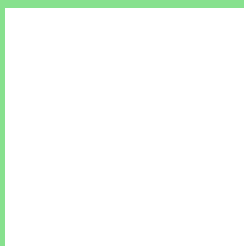
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.7994, 60.9543, 35.1535

Background



This preview shows how black text looks on a background with the XYZ color 41.7994, 60.9543, 35.1535.



This preview shows how white text looks on a background with the XYZ color 41.7994, 60.9543,

35.1535.

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

41.7994, 60.9543, 35.1535

Protanopia

55.6453, 60.2513, 30.8872

Deuteranopia

61.2155, 59.9009, 36.7694



Tritanopia

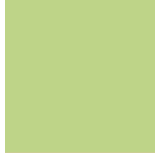
51.6072, 60.6350, 84.5850

Trichromacy



Original Color

41.7994, 60.9543, 35.1535



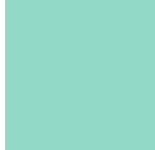
Protanomaly

49.2226, 59.8117, 32.2431



Deuteranomaly

51.6167, 58.7745, 35.8182



Tritanomaly

47.2343, 60.3773, 63.1973

Monochromacy



Original Color

41.7994, 60.9543, 35.1535



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.9291, 53.6546, 47.0181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7994, 60.9543, 35.1535 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(135, 225, 142)` looks like.

```
.text, #text, p{  
    color:rgb(135, 225, 142)  
}
```

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(135, 225, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 225, 142) }
```

Border

The CSS property to change the border of an element to XYZ 41.7994, 60.9543, 35.1535 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(135, 225, 142) }
```


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

```
.border{ border-color:rgb(135, 225, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 225, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 225, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 225, 142);  
box-shadow:4px 4px 4px 4px rgb(135, 225,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7994, 60.9543, 35.1535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 225, 142) }
```

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

```
.background{ background-color: rgb(135,  
225, 142) }
```

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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