

Converting Colors

XYZ(41.6288, 61.3252, 33.0269)

Have a look what the booklet for
XYZ(41.6288, 61.3252, 33.0269)
contains.

XYZ(41.6320, 61.3212, 32.9345)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.6320, 61.3212,
32.9345)**

Conversions

Conversions Part 1

Format	Color
Hex	87E288
RGB	135, 226, 136
RGB Percent	53%, 89%, 53%
CMY	0.4706, 0.1137, 0.4667
CMYK	0.40, 0.00, 0.40, 0.11
HSL	121°, 61%, 71%
HSV	121°, 40%, 89%
XYZ	41.6320, 61.3212, 32.9345
YIQ	188.5310, -25.3460, -47.2820

Conversions

Conversions Part 2

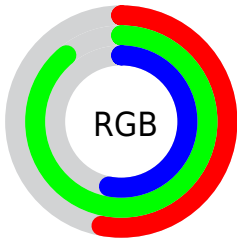
Format	Color
RYB	135, 225, 226
Decimal	8905352
CIELab	82.55, -45.07, 35.66
CIELCh	83, 57.470, 141.645
Yxy	61.3212, 0.3064, 0.4513
Android (android.graphics.Color)	4287095432 (0xFF87E288)
YUV	188.5310, -25.8978, -46.9467
Hunter-Lab	78.3079, -42.1401, 29.8795

Details

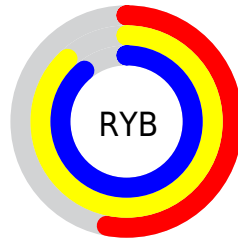
The XYZ color **41.6320, 61.3212, 32.9345** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.6206, 38.9342, 75.9253**, and the grayscale version is **48.2568, 50.7699, 55.2884**.

A 20% lighter version of the original color is **66.7925, 86.4442, 61.8803**, and **19.2389, 31.0676, 13.5770** is the 20% darker color. If you saturate the color by 10%, you get **36.9482, 59.0732, 25.2705**, and if you desaturate by 10%, it is **47.4220, 64.1047, 42.3819**.

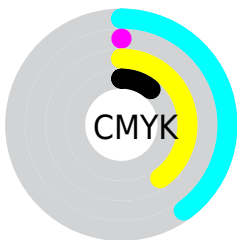
Distribution



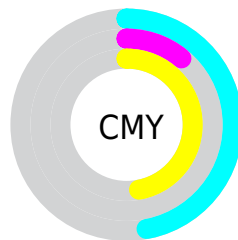
- Red (53%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (88%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)



- Cyan (47%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6320, 61.3212, 32.9345 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 41.6320, 61.3212, 32.9345 by changing the saturation by 10% instead.

41.6320, 61.3212,
32.9345

41.6320, 61.3212,
32.9345

343.9728,
429.4507, 329.9774

29.0031, 44.4844,
21.8056

76.9110, 106.7439,
65.3881

19.2275, 31.0515,
13.5172

100.2919,
136.0986, 87.5498

11.9397, 20.6381,
7.6507

127.9874,
170.3947, 114.2262

6.7746, 12.8597,
3.7877

160.3630,
210.0167, 145.8359

3.3666, 7.3320,
1.5096

197.7839,
255.3489, 182.7973

1.3505, 3.6706,
0.2251

240.6157,

0.2205, 1.4911,

306.7757, 225.5290

0.0000

289.2235,
364.6815, 274.4495

■ 0.0000, 0.2824,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.6320, 61.3212,
32.9345

■ 41.6320, 61.3212,
32.9345

■ 36.9482, 59.0732,
25.2705

■ 47.4220, 64.1047,
42.3819

■ 33.2959, 57.3193,
19.2742


■ 54.3774, 67.4468,
53.7107


■ 30.5986, 56.0245,
14.8228


■ 62.5588, 71.3785,
67.0163

■ 28.7672, 55.1460,
11.7748

■ 72.0213, 75.9262,
82.3867

 27.6958, 54.6327,
9.9630

 82.8164, 81.1147,
99.9047

 27.2112, 54.4006,
9.1376

 86.4876, 82.8751,
106.0459

Harmonies

Analogous

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



49.9866, 61.3212, 21.5193



41.6320, 61.3212, 32.9345



37.8723, 61.3212, 57.4001

Triad

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



41.6320, 61.3212, 32.9345



54.9138, 61.3212, 158.7301



83.1525, 61.3212, 44.7669

Complementary

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



41.6320, 61.3212, 32.9345



53.6206, 38.9342, 75.9253

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.



84.9613, 61.3212, 77.1042



41.6320, 61.3212, 32.9345



67.4522, 61.3212, 151.6106

Square

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



41.6320, 61.3212, 32.9345



44.8027, 61.3212, 135.2320



78.8720, 61.3212, 118.2488



74.2299, 61.3212, 26.4865

Rectangle

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



41.6320, 61.3212, 32.9345



38.0495, 61.3212, 81.3981



78.8720, 61.3212, 118.2488



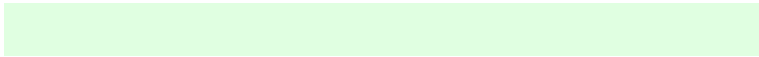
84.6584, 61.3212, 54.0058

Sweetspot

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



41.6335, 61.3238, 32.9359



80.1793, 92.8532, 84.7426



62.9363, 72.3139, 33.5630



16.8472, 19.7233, 17.6271



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.



41.6335, 61.3238, 32.9359



49.6692, 78.1938, 35.0099



45.4790, 62.8620, 53.1856



13.5349, 15.3397, 14.5860



15.5261, 31.0353, 5.2277



1.0784, 2.1521, 0.3739

Inverse Universe

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



53.6206, 38.9342, 75.9253



67.4067, 45.0593, 98.6195



48.3191, 36.8136, 48.0081



14.2882, 13.9329, 17.2878



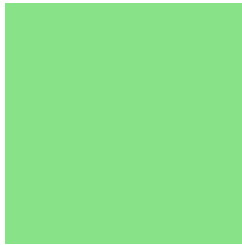
25.5345, 12.2808, 41.0761



1.7720, 0.8521, 2.8584

Previews

White Background



This preview shows how the XYZ color 41.6320, 61.3212, 32.9345 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 41.6320, 61.3212, 32.9345 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 41.6320, 61.3212, 32.9345

Background



This preview shows how black text looks on a background with the XYZ color 41.6320, 61.3212, 32.9345.

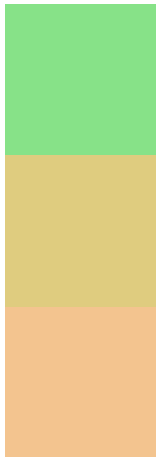


This preview shows how white text looks on a background with the XYZ color 41.6320, 61.3212,

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

41.6320, 61.3212, 32.9345

Protanopia

55.8551, 60.4060, 28.7943

Deuteranopia

61.6600, 60.5177, 34.4179



Tritanopia

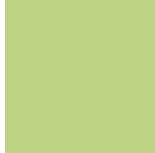
52.1924, 61.2971, 85.4246

Trichromacy



Original Color

41.6320, 61.3212, 32.9345



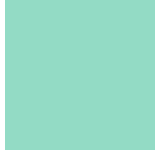
Protanomaly

49.0586, 59.7750, 30.0712



Deuteranomaly

51.9483, 59.3565, 33.5299



Tritanomaly

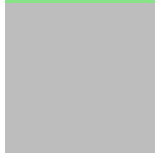
47.4422, 60.8973, 62.0772

Monochromacy



Original Color

41.6320, 61.3212, 32.9345



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.7384, 53.5784, 46.0139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6320, 61.3212, 32.9345 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, 226, 136)` looks like.

```
.text, #text, p{  
    color:rgb(135, 226, 136)  
}
```

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, 226, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 226, 136) }
```

Border

The CSS property to change the border of an element to XYZ 41.6320, 61.3212, 32.9345 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, 226, 136) }
```


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

```
.border{ border-color:rgb(135, 226, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 226, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 226, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 226, 136);  
box-shadow:4px 4px 4px 4px rgb(135, 226,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6320, 61.3212, 32.9345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 226, 136) }
```

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

```
.background{ background-color: rgb(135,  
226, 136) }
```

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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