

Converting Colors

XYZ(40.8951, 62.5699, 31.7914)

Have a look what the booklet for
XYZ(40.8951, 62.5699, 31.7914)
contains.

XYZ(40.9191, 62.6195, 31.7599)	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(40.9191, 62.6195,
31.7599)**

Conversions

Conversions Part 1

Format	Color
Hex	7DE684
RGB	125, 230, 132
RGB Percent	49%, 90%, 52%
CMY	0.5098, 0.0980, 0.4823
CMYK	0.46, 0.00, 0.43, 0.10
HSL	124°, 68%, 70%
HSV	124°, 46%, 90%
XYZ	40.9191, 62.6195, 31.7599
YIQ	187.4330, -31.1220, -52.7380

Conversions

Conversions Part 2

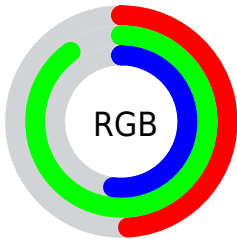
Format	Color
RYB	125, 223, 230
Decimal	8251012
CIELab	83.24, -50.22, 38.47
CIElCh	83, 63.263, 142.550
Yxy	62.6195, 0.3024, 0.4628
Android (android.graphics.Color)	4286441092 (0xFF7DE684)
YUV	187.4330, -27.3285, -54.7537
Hunter-Lab	79.1325, -46.1802, 31.5966

Details

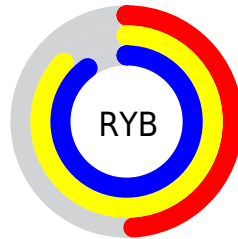
The XYZ color **40.9191, 62.6195, 31.7599** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.2879, 36.8191, 74.1122**, and the grayscale version is **47.6423, 50.1234, 54.5844**.

A 20% lighter version of the original color is **64.1514, 85.1325, 59.5054**, and **18.8680, 32.0244, 12.9715** is the 20% darker color. If you saturate the color by 10%, you get **36.6213, 60.5584, 24.6641**, and if you desaturate by 10%, it is **46.2997, 65.2075, 40.4868**.

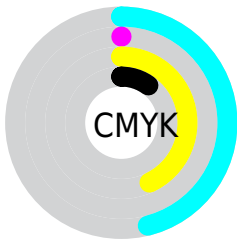
Distribution



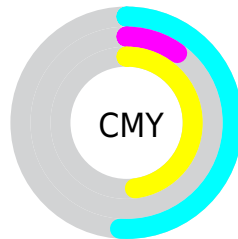
- Red (49%)
- Green (90%)
- Blue (52%)



- Red (49%)
- Yellow (87%)
- Blue (90%)



- Cyan (46%)
- Magenta (0%)
- Yellow (43%)
- Black (10%)



- Cyan (51%)
- Magenta (10%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9191, 62.6195, 31.7599 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 40.9191, 62.6195, 31.7599 by changing the saturation by 10% instead.

40.9191, 62.6195,
31.7599

40.9191, 62.6195,
31.7599

341.0507,
434.1873, 324.4830

28.4433, 45.5335,
20.9149

75.8366, 108.6204,
63.5280

18.8022, 31.8778,
12.8712

99.0089, 138.3040,
85.2882

11.6306, 21.2682,
7.2102

126.4774,
172.9556, 111.5239

6.5631, 13.3202,
3.5135

158.6075,
212.9596, 142.6535

3.2343, 7.6494,
1.3624

195.7646,
258.7004, 179.0957

1.2788, 3.8714,
0.1121

238.3139,

0.1673, 1.6019,

310.5623, 221.2690

0.0000

286.6208,
368.9298, 269.5919

■ 0.0000, 0.3589,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.9191, 62.6195,
31.7599

■ 40.9191, 62.6195,
31.7599

■ 36.6213, 60.5584,
24.6641

■ 46.2997, 65.2075,
40.4868

■ 33.3286, 58.9808,
19.0943


■ 52.8246, 68.3468,
50.9327


■ 30.9602, 57.8493,
14.9397


■ 60.5565, 72.0696,
63.1845


■ 29.4210, 57.1177,
12.0730

■ 69.5520, 76.4033,
77.3219

 28.5951, 56.7293,
10.3438

 79.8641, 81.3738,
93.4197

 28.3867, 56.6315,
9.8995

 87.5880, 85.0760,
106.4127

Harmonies

Analogous

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



49.9546, 62.6195, 19.4722



40.9191, 62.6195, 31.7599



36.9862, 62.6195, 58.8391

Triad

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



40.9191, 62.6195, 31.7599



56.1594, 62.6195, 174.0210



87.3882, 62.6195, 43.0975

Complementary

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



40.9191, 62.6195, 31.7599



53.2879, 36.8191, 74.1122

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.



89.7290, 62.6195, 78.4649



40.9191, 62.6195, 31.7599



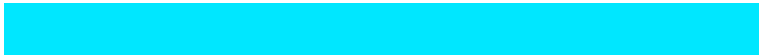
70.2300, 62.6195, 164.5900

Square

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



40.9191, 62.6195, 31.7599



44.8617, 62.6195, 147.5681



83.0395, 62.6195, 125.2810



77.0621, 62.6195, 24.0416

Rectangle

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



40.9191, 62.6195, 31.7599



37.2842, 62.6195, 85.9711



83.0395, 62.6195, 125.2810



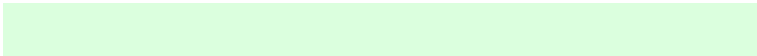
89.1936, 62.6195, 53.0335

Sweetspot

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



40.9207, 62.6221, 31.7613



78.2058, 91.8835, 82.4963



62.4325, 73.7654, 30.3500



16.2453, 19.4289, 16.8785



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.



40.9207, 62.6221, 31.7613



46.4419, 76.6057, 31.4412



45.4602, 64.4379, 55.6661



14.2281, 16.1047, 15.4660



16.0858, 32.0664, 5.6863



1.2025, 2.3751, 0.4927

Inverse Universe

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



53.2879, 36.8191, 74.1122



63.9228, 40.0968, 91.2762



47.2716, 34.4126, 42.4307



14.9514, 14.5978, 17.9447



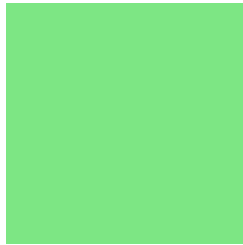
25.4129, 12.2994, 37.3991



1.8905, 0.9139, 2.8299

Previews

White Background



This preview shows how the XYZ color 40.9191, 62.6195, 31.7599 looks on a white background.

Color Contrast Check

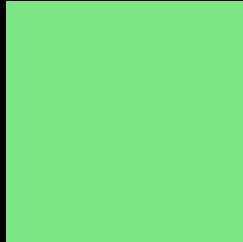
Large Text (above 18pt) WCAG AA × Fail

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 40.9191, 62.6195, 31.7599 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 40.9191, 62.6195, 31.7599

Background



This preview shows how black text looks on a background with the XYZ color 40.9191, 62.6195, 31.7599.



This preview shows how white text looks on a background with the XYZ color 40.9191, 62.6195,

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

40.9191, 62.6195, 31.7599

Protanopia

56.6978, 61.5802, 27.6368

Deuteranopia

63.0576, 61.6001, 33.3775



Tritanopia

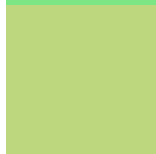
52.0994, 62.3440, 87.8849

Trichromacy



Original Color

40.9191, 62.6195, 31.7599



Protanomaly

49.0526, 60.9261, 28.9132



Deuteranomaly

51.9444, 60.1036, 32.5303



Tritanomaly

46.9618, 61.8087, 62.8812

Monochromacy



Original Color

40.9191, 62.6195, 31.7599



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.6408, 53.3944, 44.5653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9191, 62.6195, 31.7599 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(125, 230, 132)` looks like.

```
.text, #text, p{  
    color:rgb(125, 230, 132)  
}
```

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(125, 230, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 230, 132) }
```

Border

The CSS property to change the border of an element to XYZ 40.9191, 62.6195, 31.7599 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(125, 230, 132) }
```


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

```
.border{ border-color:rgb(125, 230, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 230, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 230, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 230, 132);  
box-shadow:4px 4px 4px 4px rgb(125, 230,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9191, 62.6195, 31.7599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 230, 132) }
```

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

```
.background{ background-color: rgb(125,  
230, 132) }
```

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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