

Converting Colors

XYZ(41.1257, 63.1995, 10.3790)

Have a look what the booklet for
XYZ(41.1257, 63.1995, 10.3790)
contains.

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Color

**XYZ(41.1257, 63.1995,
10.3790)**

Conversions

Conversions Part 1

Format	Color
Hex	97E60C
RGB	151, 230, 12
RGB Percent	59%, 90%, 5%
CMY	0.4078, 0.0980, 0.9528
CMYK	0.34, 0.00, 0.95, 0.10
HSL	82°, 90%, 47%
HSV	82°, 95%, 90%
XYZ	41.1257, 63.1995, 10.3790
YIQ	181.5270, 22.8940, -84.5460

Conversions

Conversions Part 2

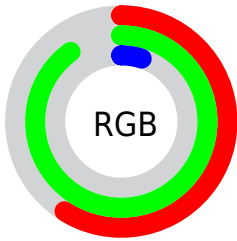
Format	Color
R_{YB}	12, 230, 91
Decimal	9954828
CIE Lab	83.55, -50.91, 80.27
CIE LCh	84, 95.053, 122.382
Yxy	63.1995, 0.3585, 0.5510
Android (android.graphics.Color)	4288144908 (0xFF97E60C)
YUV	181.5270, -83.5768, -26.7722
Hunter-Lab	79.4981, -46.7807, 47.9080

Details

The XYZ color **41.1257, 63.1995, 10.3790** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **18.7331, 8.2029, 75.4625**, and the grayscale version is **44.6405, 46.9652, 51.1452**.

A 20% lighter version of the original color is **64.5557, 86.1416, 23.3498**, and **19.4504, 32.4963, 5.2473** is the 20% darker color. If you saturate the color by 10%, you get **40.2664, 62.7662, 9.9928**, and if you desaturate by 10%, it is **42.9668, 64.1232, 11.7048**.

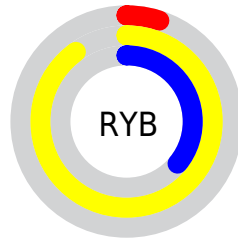
Distribution



Red (59%)

Green (90%)

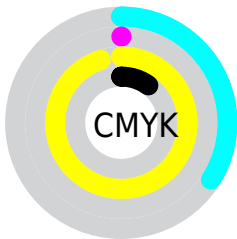
Blue (5%)



Red (5%)

Yellow (90%)

Blue (36%)

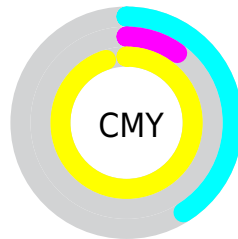


Cyan (34%)

Magenta (0%)

Yellow (95%)

Black (10%)



Cyan (41%)


Magenta (10%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.1257, 63.1995, 10.3790 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 41.1257, 63.1995, 10.3790 by changing the saturation by 10% instead.


 41.1257, 63.1995,
10.3790


 41.1257, 63.1995,
10.3790


341.8993,
436.2932, 203.9382


 28.6054, 46.0026,
5.5421


 76.1482, 109.4573,
27.1248


 18.9253, 32.2479,
2.5045


 99.3811, 139.2870,
39.8709


 11.7200, 21.5509,
0.8425


 126.9156,
174.0964, 56.0903

 6.6242, 13.5273,
0.0000

 159.1170,
214.2699, 76.2017

 3.2724, 7.7926,
0.0000

 196.3508,
260.1920, 100.6237

 1.2994, 3.9625,
0.0000

 238.9821,

 0.1828, 1.6526,

312.2469, 129.7747

0.0000

287.3766,
370.8192, 164.0734

■ 0.0000, 0.3927,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.1257, 63.1995,
10.3790

■ 41.1257, 63.1995,
10.3790

■ 40.2664, 62.7662,
9.9928

■ 42.9668, 64.1232,
11.7048

■ 45.1415, 65.1911,
14.2108

■ 47.6911, 66.4221,
18.0976

■ 50.6485, 67.8296,
23.5277

■ 54.0423, 69.4252,
30.6412

■ 57.8981, 71.2195,
39.5625

■ 62.2392, 73.2219,
50.4041

■ 67.0869, 75.4413,
63.2695

■ 72.4615, 77.8859,
78.2547

Harmonies

Analogous

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



58.4255, 63.1995, 6.1323



41.1257, 63.1995, 10.3790



31.1861, 63.1995, 28.2554

Triad

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



41.1257, 63.1995, 10.3790



43.3983, 63.1995, 227.9566



109.4347, 63.1995, 64.1710

Complementary

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



41.1257, 63.1995, 10.3790



18.7331, 8.2029, 75.4625

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.



102.8382, 63.1995, 136.5861



41.1257, 63.1995, 10.3790



61.7435, 63.1995, 257.9104

Square

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



41.1257, 63.1995, 10.3790



32.2700, 63.1995, 149.9995



84.0857, 63.1995, 217.5610



100.4824, 63.1995, 23.9489

Rectangle

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



41.1257, 63.1995, 10.3790



28.5532, 63.1995, 54.7420



84.0857, 63.1995, 217.5610



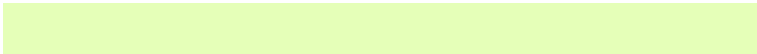
108.9612, 63.1995, 85.1107

Sweetspot

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



41.1272, 63.2023, 10.3804



76.7216, 91.6419, 58.7729



36.2173, 23.8825, 3.0497



15.9154, 19.3815, 11.3205



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.



41.1272, 63.2023, 10.3804



50.7775, 79.2618, 12.6228



29.4348, 57.1747, 9.8332



15.0685, 16.5424, 15.3033



22.9339, 35.6043, 5.6636



1.7956, 2.6830, 0.4232

Inverse Universe

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



18.7331, 8.2029, 75.4625



22.5062, 9.5172, 95.2585



37.5223, 17.8891, 76.3419



14.0735, 14.1401, 18.1319



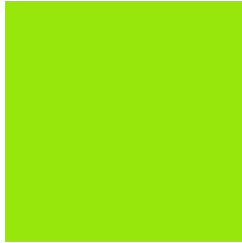
10.2462, 4.3480, 42.6824



0.8562, 0.3723, 3.1587

Previews

White Background



This preview shows how the XYZ color 41.1257, 63.1995, 10.3790 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 41.1257, 63.1995, 10.3790 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 41.1257, 63.1995, 10.3790

Background



This preview shows how black text looks on a background with the XYZ color 41.1257, 63.1995, 10.3790.



This preview shows how white text looks on a background with the XYZ color 41.1257, 63.1995,

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

41.1257, 63.1995, 10.3790

Protanopia

56.4876, 62.6042, 9.1066

Deuteranopia

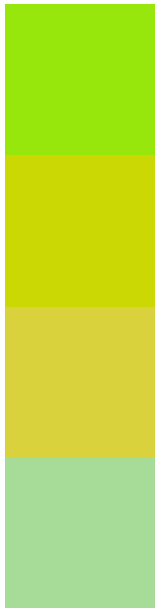
63.1955, 62.3527, 17.9370



Tritanopia

56.1496, 62.9766, 84.7976

Trichromacy



Original Color

41.1257, 63.1995, 10.3790

Protanomaly

49.4796, 61.9579, 9.4661

Deuteranomaly

52.4775, 61.1711, 13.3163

Tritanomaly

46.9050, 61.5278, 38.6820

Monochromacy



Original Color

41.1257, 63.1995, 10.3790

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

40.6082, 50.8608, 25.4461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1257, 63.1995, 10.3790 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(151, 230, 12)` looks like.

```
.text, #text, p{  
    color:rgb(151, 230, 12)  
}
```

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(151, 230, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 230, 12) }
```

Border

The CSS property to change the border of an element to XYZ 41.1257, 63.1995, 10.3790 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(151, 230, 12) }
```


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

```
.border{ border-color:rgb(151, 230, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 230, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 230, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 230, 12);  
box-shadow:4px 4px 4px 4px rgb(151, 230,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1257, 63.1995, 10.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 230, 12) }
```

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

```
.background{ background-color: rgb(151,  
230, 12) }
```

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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