

Converting Colors

XYZ(31.2180, 40.6004, 7.8777)

Have a look what the booklet for
XYZ(31.2180, 40.6004, 7.8777)
contains.

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Color

**XYZ(31.1404, 40.5461,
7.8540)**

Conversions

Conversions Part 1

Format	Color
Hex	9FB524
RGB	159, 181, 36
RGB Percent	62%, 71%, 14%
CMY	0.3765, 0.2902, 0.8588
CMYK	0.12, 0.00, 0.80, 0.29
HSL	69°, 67%, 43%
HSV	69°, 80%, 71%
XYZ	31.1404, 40.5461, 7.8540
YIQ	157.8920, 33.4330, -49.7590

Conversions

Conversions Part 2

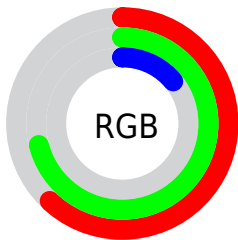
Format	Color
R_{YB}	36, 181, 58
Decimal	10466596
CIE _{Lab}	69.86, -25.38, 64.77
CIE _{LCh}	70, 69.569, 111.396
Yxy	40.5461, 0.3915, 0.5098
Android (android.graphics.Color)	4288656676 (0xFF9FB524)
YUV	157.8920, -60.0928, 0.9717
Hunter-Lab	63.6758, -24.1380, 37.2600

Details

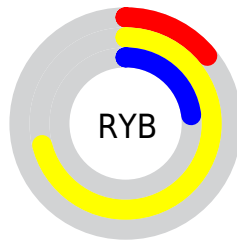
The XYZ color **31.1404, 40.5461, 7.8540** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **10.7177, 5.4985, 44.2150**, and the grayscale version is **32.7049, 34.4081, 37.4704**.

A 20% lighter version of the original color is **60.9650, 76.1463, 22.3110**, and **13.3127, 18.3219, 2.8348** is the 20% darker color. If you saturate the color by 10%, you get **30.3924, 40.1862, 6.7231**, and if you desaturate by 10%, it is **32.0420, 40.9719, 9.7229**.

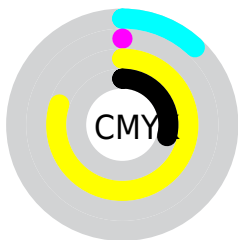
Distribution



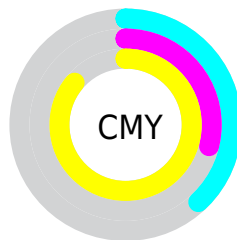
- Red (62%)
- Green (71%)
- Blue (14%)



- Red (14%)
- Yellow (71%)
- Blue (23%)



- Cyan (12%)
- Magenta (0%)
- Yellow (80%)
- Black (29%)





- Cyan (38%)
- Magenta (29%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1404, 40.5461, 7.8540 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 31.1404, 40.5461, 7.8540 by changing the saturation by 10% instead.


 31.1404, 40.5461,
7.8540


 31.1404, 40.5461,
7.8540


299.0000,
348.4200, 184.4740


 20.8581, 27.9646,
3.9152


 60.8354, 75.9944,
22.2132

 13.1322, 18.2990,
1.5790


 80.9788, 99.6299,
33.4706

 7.5973, 11.1648,
0.2757


 105.1400,
127.7190, 48.0047

 3.8880, 6.1778,
0.0000

 133.6843,
160.6459, 66.2340

 1.6390, 2.9535,
0.0000

 166.9771,
198.7950, 88.5771

 0.4176, 1.1075,
0.0000

 205.3838,

 0.0000, 0.0000,

242.5508, 115.4524

0.0000

249.2696,
292.2977, 147.2785

■ 31.1404, 40.5461,
7.8540

■ 31.1404, 40.5461,
7.8540

■ 30.3924, 40.1862,
6.7231

■ 32.0420, 40.9719,
9.7229

■ 29.7629, 39.8741,
6.1278

■ 33.1132, 41.4654,
12.4249

■ 34.3706, 42.0348,
16.0439

■ 35.8283, 42.6857,
20.6526

■ 37.4986, 43.4232,
26.3166

■ 39.3931, 44.2517,
33.0958

■ 41.5223, 45.1756,
41.0457

■ 43.8962, 46.1989,
50.2181

■ 46.5240, 47.3251,
60.6614

Harmonies

Analogous

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



41.8817, 40.5461, 6.7725



31.1404, 40.5461, 7.8540



23.9263, 40.5461, 15.5863

Triad

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



31.1404, 40.5461, 7.8540



26.5056, 40.5461, 112.8424



64.2689, 40.5461, 54.1300

Complementary

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



31.1404, 40.5461, 7.8540



10.7177, 5.4985, 44.2150

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.



58.1398, 40.5461, 95.4854



31.1404, 40.5461, 7.8540



35.3769, 40.5461, 138.7196

Square

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



31.1404, 40.5461, 7.8540



21.6371, 40.5461, 70.9709



47.0228, 40.5461, 131.1612



62.5226, 40.5461, 25.1111

Rectangle

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



31.1404, 40.5461, 7.8540



21.3915, 40.5461, 27.1187



47.0228, 40.5461, 131.1612



63.0239, 40.5461, 67.1315

Sweetspot

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



31.1413, 40.5479, 7.8548



69.0409, 78.5918, 53.8064



20.8765, 12.9534, 3.0696



14.6682, 16.8753, 10.7252



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.1413, 40.5479, 7.8548



53.5772, 71.5458, 11.2554



20.7511, 35.1916, 7.3686



9.0678, 9.8401, 9.0739



20.5635, 27.5109, 4.2263



0.6812, 0.8832, 0.1346

Inverse Universe

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



10.7177, 5.4985, 44.2150



16.0596, 6.7046, 78.7423



18.2172, 9.3646, 44.5660



8.1581, 8.2900, 10.6765



6.1082, 2.4847, 30.2946



0.2294, 0.0973, 0.9549

Previews

White Background



This preview shows how the XYZ color 31.1404, 40.5461, 7.8540 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 31.1404, 40.5461, 7.8540 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 31.1404, 40.5461, 7.8540

Background



This preview shows how black text looks on a background with the XYZ color 31.1404, 40.5461, 7.8540.



This preview shows how white text looks on a background with the XYZ color 31.1404, 40.5461,

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

31.1404, 40.5461, 7.8540

Protanopia

36.5757, 40.4421, 7.3172

Deuteranopia

41.1450, 40.3341, 8.2014



Tritanopia

39.6447, 40.5240, 49.9884

Trichromacy



Original Color

31.1404, 40.5461, 7.8540

Protanomaly

34.4411, 40.4787, 7.5113

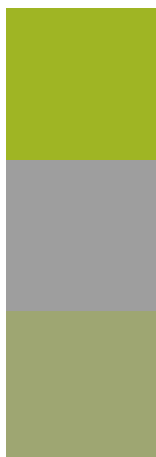
Deuteranomaly

36.8540, 40.0124, 7.9712

Tritanomaly

34.8424, 39.6876, 26.5930

Monochromacy



Original Color

31.1404, 40.5461, 7.8540

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.7740, 35.7564, 21.1993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1404, 40.5461, 7.8540 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(159, 181, 36)` looks like.

```
.text, #text, p{  
    color:rgb(159, 181, 36)  
}
```

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(159, 181, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 181, 36) }
```

Border

The CSS property to change the border of an element to XYZ 31.1404, 40.5461, 7.8540 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(159, 181, 36) }
```


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

```
.border{ border-color:rgb(159, 181, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 181, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 181, 36); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 181, 36); box-shadow:4px 4px 4px 4px rgb(159, 181, 36) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1404, 40.5461, 7.8540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 181, 36) }
```

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

```
.background{ background-color: rgb(159,  
181, 36) }
```

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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