

Converting Colors

XYZ(9.7780, 12.3090, 3.1632)

Have a look what the booklet for
XYZ(9.7780, 12.3090, 3.1632)
contains.

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Color

**XYZ(9.8137, 12.3792,
3.1685)**

Conversions

Conversions Part 1

Format	Color
Hex	5E681F
RGB	94, 104, 31
RGB Percent	37%, 41%, 12%
CMY	0.6314, 0.5921, 0.8784
CMYK	0.10, 0.00, 0.70, 0.59
HSL	68°, 54%, 26%
HSV	68°, 70%, 41%
XYZ	9.8137, 12.3792, 3.1685
YIQ	92.6880, 17.4730, -24.8230

Conversions

Conversions Part 2

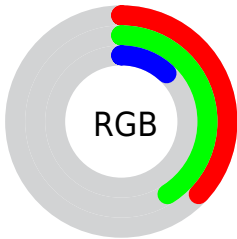
Format	Color
R_{YB}	31, 104, 41
Decimal	6187039
CIE _{Lab}	41.81, -14.62, 38.16
CIE _{LCh}	42, 40.866, 110.969
Yxy	12.3792, 0.3870, 0.4881
Android (android.graphics.Color)	4284377119 (0xFF5E681F)
YUV	92.6880, -30.4122, 1.1506
Hunter-Lab	35.1841, -11.7841, 19.2895

Details

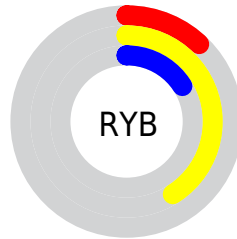
The XYZ color **9.8137, 12.3792, 3.1685** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.9035, 2.4511, 13.3648**, and the grayscale version is **10.3977, 10.9392, 11.9128**.

A 20% lighter version of the original color is **25.0234, 30.1329, 12.0868**, and **2.5898, 3.5071, 0.5404** is the 20% darker color. If you saturate the color by 10%, you get **9.5535, 12.2589, 2.5529**, and if you desaturate by 10%, it is **10.1214, 12.5198, 4.0179**.

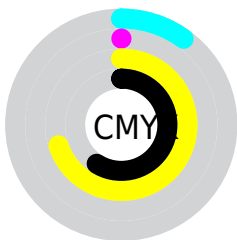
Distribution



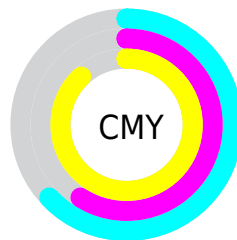
- Red (37%)
- Green (41%)
- Blue (12%)



- Red (12%)
- Yellow (41%)
- Blue (16%)



- Cyan (10%)
- Magenta (0%)
- Yellow (70%)
- Black (59%)



- Cyan (63%)
- Magenta (59%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8137, 12.3792, 3.1685 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 9.8137, 12.3792, 3.1685 by changing the saturation by 10% instead.

■ 9.8137, 12.3792,
3.1685

■ 9.8137, 12.3792,
3.1685

183.4187,
206.8998, 138.4786

■ 5.3369, 7.0025,
1.1813

■ 25.0974, 30.1839,
12.0415

■ 2.4831, 3.4637,
0.0000

■ 36.6350, 43.3806,
19.7643

■ 0.8867, 1.3783,
0.0000

■ 51.2569, 59.9529,
30.2361

■ 0.0000, 0.2007,
0.0000

■ 69.3285, 80.2849,
43.8755

■ 0.0000, 0.0000,
0.0000

■ 91.2151, 104.7613,
61.1008

■ 117.2821,

133.7663, 82.3308

147.8949,
167.6843, 107.9839

9.8137, 12.3792,
3.1685

9.8137, 12.3792,
3.1685

9.5535, 12.2589,
2.5529

10.1214, 12.5198,
4.0179

9.3356, 12.1553,
2.1471

10.4798, 12.6805,
5.1208

9.1429, 12.0624,
1.8464

10.8924, 12.8632,
6.4954

11.3625, 13.0692,
8.1583

11.8929, 13.2997,
10.1246

■ 12.4864, 13.5557,
12.4084

■ 13.1454, 13.8382,
15.0228

■ 13.8723, 14.1483,
17.9804

■ 14.6695, 14.4867,
21.2929

Harmonies

Analogous

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



12.6983, 12.3792, 2.8406



9.8137, 12.3792, 3.1685



7.8179, 12.3792, 5.5022

Triad

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



9.8137, 12.3792, 3.1685



8.4842, 12.3792, 30.8939



18.4589, 12.3792, 16.2523

Complementary

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



9.8137, 12.3792, 3.1685



3.9035, 2.4511, 13.3648

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.



16.8599, 12.3792, 26.8465



9.8137, 12.3792, 3.1685



10.8806, 12.3792, 37.3761

Square

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



9.8137, 12.3792, 3.1685



7.1462, 12.3792, 20.3246



13.9616, 12.3792, 35.6422



18.0414, 12.3792, 8.3739

Rectangle

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



9.8137, 12.3792, 3.1685



7.0983, 12.3792, 8.7634



13.9616, 12.3792, 35.6422



18.1306, 12.3792, 19.6397

Sweetspot

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



9.8140, 12.3798, 3.1688



20.7271, 23.2727, 17.2458



6.7404, 4.6098, 1.8310



5.0106, 5.6579, 4.0342



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



9.8140, 12.3798, 3.1688



16.5157, 21.3904, 3.9985



6.9295, 10.8927, 3.0338



3.0053, 3.2499, 3.0433



11.2507, 14.8587, 2.2750



58.1368, 77.2166, 11.8402

Inverse Universe

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



3.9035, 2.4511, 13.3648



5.4329, 2.7097, 23.2138



6.0685, 3.5672, 13.4661



2.7245, 2.7800, 3.5250



3.2891, 1.3398, 16.2296



16.6980, 6.7524, 84.6247

Previews

White Background



This preview shows how the XYZ color 9.8137, 12.3792, 3.1685 looks on a white background.

Color Contrast Check

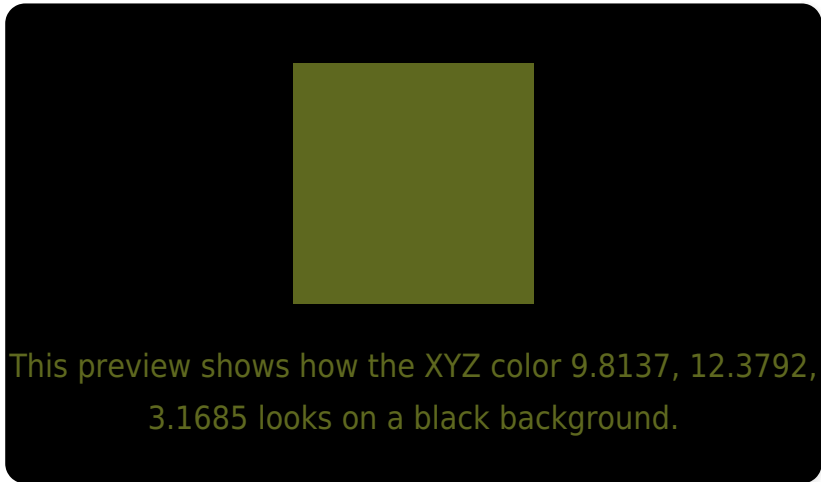
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.8137, 12.3792, 3.1685

Background



This preview shows how black text looks on a background with the XYZ color 9.8137, 12.3792, 3.1685.



This preview shows how white text looks on a background with the XYZ color 9.8137, 12.3792,

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

9.8137, 12.3792, 3.1685

Protanopia

11.2517, 12.3969, 3.0281

Deuteranopia

12.4745, 12.3377, 3.3140



Tritanopia

12.1913, 12.3360, 15.1031

Trichromacy



Original Color

9.8137, 12.3792, 3.1685

Protanomaly

10.7137, 12.4044, 3.0579

Deuteranomaly

11.3385, 12.2956, 3.2891

Tritanomaly

10.9693, 12.2611, 8.9962

Monochromacy



Original Color

9.8137, 12.3792, 3.1685

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.8944, 11.3187, 7.4576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8137, 12.3792, 3.1685 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(94, 104, 31) looks like.

```
.text, #text, p{  
    color:rgb(94, 104, 31)  
}
```

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(94, 104, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 104, 31) }
```

Border

The CSS property to change the border of an element to XYZ 9.8137, 12.3792, 3.1685 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(94, 104, 31) }
```


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

```
.border{ border-color:rgb(94, 104, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 104, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 104, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 104, 31);  
box-shadow:4px 4px 4px 4px rgb(94, 104,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8137, 12.3792, 3.1685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 104, 31) }
```

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

```
.background{ background-color: rgb(94, 104,  
31) }
```

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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