

Converting Colors

XYZ(18.6863, 31.0121, 13.9538)

Have a look what the booklet for
XYZ(18.6863, 31.0121, 13.9538)
contains.

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Color

**XYZ(18.7375, 31.0791,
14.0281)**

Conversions

Conversions Part 1

Format	Color
Hex	45AB57
RGB	69, 171, 87
RGB Percent	27%, 67%, 34%
CMY	0.7294, 0.3294, 0.6588
CMYK	0.60, 0.00, 0.49, 0.33
HSL	131°, 42%, 47%
HSV	131°, 60%, 67%
XYZ	18.7375, 31.0791, 14.0281
YIQ	130.9260, -33.8280, -47.7480

Conversions

Conversions Part 2

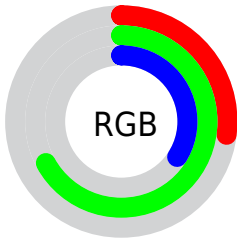
Format	Color
RYB	69, 156, 171
Decimal	4565847
CIELab	62.57, -47.68, 34.46
CIELCh	63, 58.831, 144.144
Yxy	31.0791, 0.2935, 0.4868
Android (android.graphics.Color)	4282755927 (0xFF45AB57)
YUV	130.9260, -21.6555, -54.3091
Hunter-Lab	55.7486, -37.5650, 24.1048

Details

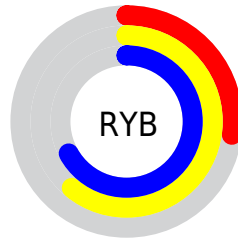
The XYZ color **18.7375, 31.0791, 14.0281** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **24.6735, 15.2148, 31.7747**, and the grayscale version is **21.6312, 22.7577, 24.7832**.

A 20% lighter version of the original color is **40.6607, 61.2088, 33.7162**, and **6.8283, 13.0968, 4.0018** is the 20% darker color. If you saturate the color by 10%, you get **17.1745, 30.3344, 11.2393**, and if you desaturate by 10%, it is **20.7638, 32.0515, 17.4259**.

Distribution



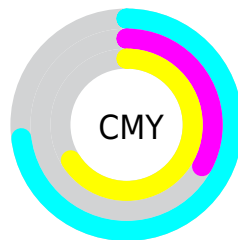
- Red (27%)
- Green (67%)
- Blue (34%)



- Red (27%)
- Yellow (61%)
- Blue (67%)



- Cyan (60%)
- Magenta (0%)
- Yellow (49%)
- Black (33%)





- Cyan (73%)
- Magenta (33%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.7375, 31.0791, 14.0281 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 18.7375, 31.0791, 14.0281 by changing the saturation by 10% instead.


 18.7375, 31.0791,
14.0281


 18.7375, 31.0791,
14.0281


237.9618,
306.9026, 228.8401


 11.5836, 20.6591,
8.0012


 40.8104, 61.3646,
33.8567


 6.5310, 12.8750,
4.0080


 56.4601, 81.9988,
48.4956


 3.2143, 7.3426,
1.6297


 75.6725, 106.8067,
66.8421

 1.2681, 3.6772,
0.3119

 98.8129, 136.1724,
89.3150

 0.1591, 1.4947,
0.0000

 126.2467,
170.4805, 116.3327

 0.0000, 0.2850,
0.0000

158.3392,

 0.0000, 0.0000,

210.1152, 148.3137

0.0000

195.4558,
255.4611, 185.6767

■ 18.7375, 31.0791,
14.0281

■ 18.7375, 31.0791,
14.0281

■ 17.1745, 30.3344,
11.2393

■ 20.7638, 32.0515,
17.4259

■ 16.0351, 29.7949,
9.0214

■ 23.2845, 33.2642,
21.4636

■ 15.2763, 29.4402,
7.3353

■ 26.3304, 34.7334,
26.1726

■ 14.8140, 29.2280,
6.1345

■ 29.9295, 36.4727,
31.5815

■ 14.8001, 29.2216,
6.1004

■ 34.1074, 38.4950,
37.7172

■ 38.8882, 40.8122,
44.6054

■ 44.2949, 43.4354,
52.2703

■ 50.3489, 46.3752,
60.7352

■ 57.0708, 49.6419,
70.0223

Harmonies

Analogous

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



23.6801, 31.0791, 7.4465



18.7375, 31.0791, 14.0281



16.7202, 31.0791, 29.5380

Triad

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



18.7375, 31.0791, 14.0281



27.9968, 31.0791, 99.3694



45.9309, 31.0791, 18.8208

Complementary

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



18.7375, 31.0791, 14.0281



24.6735, 15.2148, 31.7747

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.



47.6515, 31.0791, 38.5403



18.7375, 31.0791, 14.0281



36.2941, 31.0791, 92.1169

Square

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



18.7375, 31.0791, 14.0281



21.4093, 31.0791, 83.6226



43.8550, 31.0791, 66.7891



39.5051, 31.0791, 9.2093

Rectangle

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



18.7375, 31.0791, 14.0281



16.9859, 31.0791, 45.7961



43.8550, 31.0791, 66.7891



47.1221, 31.0791, 24.1699

Sweetspot

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



18.7383, 31.0804, 14.0288



54.5346, 65.7704, 57.9442



28.9647, 36.4269, 11.1351



11.7213, 14.4542, 12.2680



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.7383, 31.0804, 14.0288



29.9340, 53.9343, 18.5739



21.5334, 32.1985, 28.7479



7.9601, 8.9616, 8.8147



11.1710, 22.0337, 4.6739



0.3276, 0.6197, 0.2186

Inverse Universe

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



24.6735, 15.2148, 31.7747



41.5071, 22.8439, 53.0621



21.3718, 13.8941, 14.3881



8.2755, 8.1235, 9.7616



16.2924, 7.9795, 19.7173



0.4689, 0.2282, 0.6310

Previews

White Background



This preview shows how the XYZ color 18.7375, 31.0791, 14.0281 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 18.7375, 31.0791, 14.0281 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 18.7375, 31.0791, 14.0281

Background



This preview shows how black text looks on a background with the XYZ color 18.7375, 31.0791, 14.0281.



This preview shows how white text looks on a background with the XYZ color 18.7375, 31.0791,

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

18.7375, 31.0791, 14.0281

Protanopia

28.0802, 30.4989, 11.9963

Deuteranopia

31.2850, 30.6998, 14.8664



Tritanopia

24.7985, 30.8210, 44.6864

Trichromacy



Original Color

18.7375, 31.0791, 14.0281

Protanomaly

23.1483, 29.9035, 12.7355

Deuteranomaly

24.4284, 29.5293, 14.3097

Tritanomaly

21.9938, 30.7481, 30.3670

Monochromacy



Original Color

18.7375, 31.0791, 14.0281

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

19.5577, 24.9837, 20.0112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7375, 31.0791, 14.0281 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(69, 171, 87)` looks like.

```
.text, #text, p{  
    color:rgb(69, 171, 87)  
}
```

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(69, 171, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 171, 87) }
```

Border

The CSS property to change the border of an element to XYZ 18.7375, 31.0791, 14.0281 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(69, 171, 87) }
```


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

```
.border{ border-color:rgb(69, 171, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 171, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 171, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 171, 87);  
box-shadow:4px 4px 4px 4px rgb(69, 171,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7375, 31.0791, 14.0281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 171, 87) }
```

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

```
.background{ background-color: rgb(69, 171,  
87) }
```

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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