

Converting Colors

XYZ(16.2269, 31.3793, 6.7481)

Have a look what the booklet for
XYZ(16.2269, 31.3793, 6.7481)
contains.

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Color

**XYZ(16.2150, 31.3728,
6.7143)**

Conversions

Conversions Part 1

Format	Color
Hex	19B022
RGB	25, 176, 34
RGB Percent	10%, 69%, 13%
CMY	0.9019, 0.3098, 0.8666
CMYK	0.86, 0.00, 0.81, 0.31
HSL	124°, 75%, 39%
HSV	124°, 86%, 69%
XYZ	16.2150, 31.3728, 6.7143
YIQ	114.6630, -44.4140, -76.1740

Conversions

Conversions Part 2

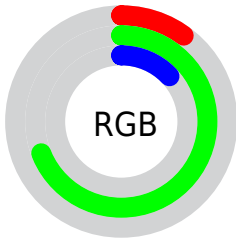
Format	Color
RYB	25, 168, 176
Decimal	1683490
CIELab	62.82, -62.44, 56.88
CIElCh	63, 84.464, 137.665
Yxy	31.3728, 0.2986, 0.5777
Android (android.graphics.Color)	4279873570 (0xFF19B022)
YUV	114.6630, -39.7669, -78.6345
Hunter-Lab	56.0114, -46.3452, 32.1007

Details

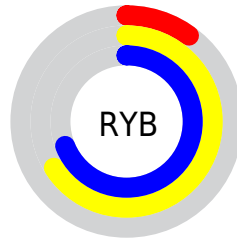
The XYZ color **16.2150, 31.3728, 6.7143** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **25.2279, 12.7159, 37.6839**, and the grayscale version is **16.3208, 17.1707, 18.6989**.

A 20% lighter version of the original color is **36.5067, 61.8579, 19.9132**, and **6.9595, 13.9191, 2.3198** is the 20% darker color. If you saturate the color by 10%, you get **15.7234, 31.1415, 5.7314**, and if you desaturate by 10%, it is **17.0935, 31.7920, 8.3166**.

Distribution



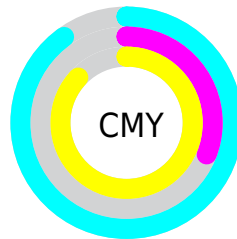
- Red (10%)
- Green (69%)
- Blue (13%)



- Red (10%)
- Yellow (66%)
- Blue (69%)



- Cyan (86%)
- Magenta (0%)
- Yellow (81%)
- Black (31%)





- Cyan (90%)
- Magenta (31%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2150, 31.3728, 6.7143 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 16.2150, 31.3728, 6.7143 by changing the saturation by 10% instead.


 16.2150, 31.3728,
6.7143


 16.2150, 31.3728,
6.7143


223.8526,
308.2521, 174.8080


 9.7682, 20.8829,
3.2084


 36.5255, 61.8265,
19.8991


 5.3066, 13.0384,
1.2020


 51.1199, 82.5591,
30.4150

 2.4649, 7.4550,
0.0000


 69.1610, 107.4748,
44.1047

 0.8776, 3.7483,
0.0000

 91.0140, 136.9578,
61.3866

 0.0000, 1.5338,
0.0000

 117.0443,
171.3927, 82.6794

 0.0000, 0.3123,
0.0000

 147.6172,

 0.0000, 0.0000,

211.1638, 108.4015

0.0000

183.0982,
256.6555, 138.9716

■ 16.2150, 31.3728,
6.7143

■ 16.2150, 31.3728,
6.7143

■ 15.7234, 31.1415,
5.7314

■ 17.0935, 31.7920,
8.3166

■ 15.5834, 31.0749,
5.4782

■ 18.4181, 32.4254,
10.6152

■ 20.2387, 33.2981,
13.6781

■ 22.5978, 34.4306,
17.5647

■ 25.5334, 35.8416,
22.3284

■ 29.0801, 37.5478,
28.0182

■ 33.2698, 39.5645,
34.6794

■ 38.1320, 41.9062,
42.3546

■ 43.6946, 44.5864,
51.0835

Harmonies

Analogous

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



23.5665, 31.3728, 2.3163



16.2150, 31.3728, 6.7143



12.9420, 31.3728, 22.2799

Triad

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



16.2150, 31.3728, 6.7143



25.3158, 31.3728, 141.8091



56.4263, 31.3728, 18.2478

Complementary

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



16.2150, 31.3728, 6.7143



25.2279, 12.7159, 37.6839

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.



57.2492, 31.3728, 49.6525



16.2150, 31.3728, 6.7143



37.0896, 31.3728, 137.8858

Square

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



16.2150, 31.3728, 6.7143



17.2090, 31.3728, 106.1881



49.4655, 31.3728, 97.5142



47.4442, 31.3728, 5.3955

Rectangle

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



16.2150, 31.3728, 6.7143



12.7625, 31.3728, 43.3791



49.4655, 31.3728, 97.5142



57.7366, 31.3728, 26.3488

Sweetspot

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



16.2157, 31.3741, 6.7150



52.2791, 67.8750, 50.0780



31.9465, 39.4967, 6.8597



10.8379, 14.4730, 10.0657



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



16.2157, 31.3741, 6.7150



28.2350, 56.3466, 9.7921



18.6365, 32.3424, 19.4626



8.4088, 9.4980, 9.1466



11.4412, 22.8025, 4.0603



0.3667, 0.7202, 0.1633

Inverse Universe

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



25.2279, 12.7159, 37.6839



44.8438, 21.6888, 66.6641



20.2266, 10.7153, 11.3472



8.8277, 8.6378, 10.5912



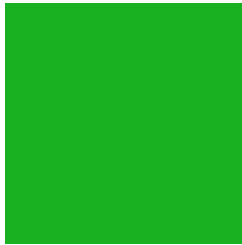
18.1616, 8.7822, 27.0744



0.5780, 0.2789, 0.8864

Previews

White Background



This preview shows how the XYZ color 16.2150, 31.3728, 6.7143 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 16.2150, 31.3728, 6.7143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

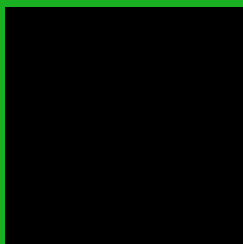
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 16.2150, 31.3728, 6.7143

Background



This preview shows how black text looks on a background with the XYZ color 16.2150, 31.3728, 6.7143.



This preview shows how white text looks on a background with the XYZ color 16.2150, 31.3728,

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

16.2150, 31.3728, 6.7143

Protanopia

27.8420, 30.7584, 5.5064

Deuteranopia

31.3844, 30.6940, 7.2880



Tritanopia

24.1918, 31.2617, 46.3541

Trichromacy



Original Color

16.2150, 31.3728, 6.7143



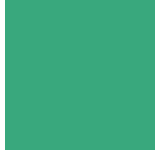
Protanomaly

20.1413, 29.0173, 5.7676



Deuteranomaly

21.2292, 28.2917, 6.7248



Tritanomaly

19.3916, 30.3558, 24.2392

Monochromacy



Original Color

16.2150, 31.3728, 6.7143



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.1050, 20.3570, 11.9900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2150, 31.3728, 6.7143 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(25, 176, 34)` looks like.

```
.text, #text, p{  
    color:rgb(25, 176, 34)  
}
```

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(25, 176, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 176, 34) }
```

Border

The CSS property to change the border of an element to XYZ 16.2150, 31.3728, 6.7143 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(25, 176, 34) }
```


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

```
.border{ border-color:rgb(25, 176, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 176, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 176, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 176, 34);  
box-shadow:4px 4px 4px 4px rgb(25, 176,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2150, 31.3728, 6.7143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 176, 34) }
```

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

```
.background{ background-color: rgb(25, 176,  
34) }
```

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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