

Converting Colors

XYZ(31.7752, 32.3018, 6.0735)

Have a look what the booklet for
XYZ(31.7752, 32.3018, 6.0735)
contains.

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Color

**XYZ(31.7752, 32.3018,
6.0735)**

Conversions

Conversions Part 1

Format	Color
Hex	BC9522
RGB	188, 149, 34
RGB Percent	74%, 58%, 13%
CMY	0.2627, 0.4157, 0.8666
CMYK	0.00, 0.21, 0.82, 0.26
HSL	45°, 69%, 44%
HSV	45°, 82%, 74%
XYZ	31.7752, 32.3018, 6.0735
YIQ	147.5510, 60.1590, -27.4970

Conversions

Conversions Part 2

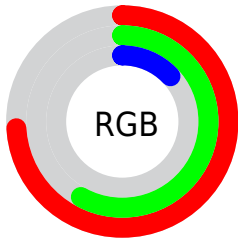
Format	Color
RYB	86, 188, 34
Decimal	12358946
CIELab	63.59, 3.95, 60.81
CIELCh	64, 60.938, 86.282
Yxy	32.3018, 0.4530, 0.4605
Android (android.graphics.Color)	4290549026 (0xFFBC9522)
YUV	147.5510, -55.9806, 35.4738
Hunter-Lab	56.8347, 0.3353, 33.4484

Details

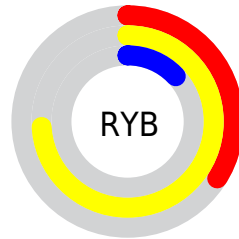
The XYZ color **31.7752, 32.3018, 6.0735** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **12.1193, 8.7358, 48.6239**, and the grayscale version is **28.1702, 29.6373, 32.2750**.

A 20% lighter version of the original color is **61.9128, 63.4065, 18.6484**, and **13.6678, 13.6695, 1.9181** is the 20% darker color. If you saturate the color by 10%, you get **30.8369, 30.7472, 4.7691**, and if you desaturate by 10%, it is **32.8939, 33.9805, 8.1698**.

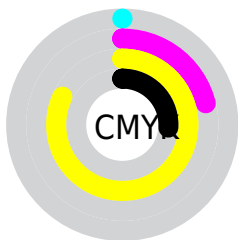
Distribution



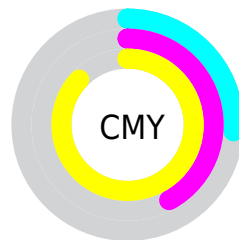
- Red (74%)
- Green (58%)
- Blue (13%)



- Red (34%)
- Yellow (74%)
- Blue (13%)



- Cyan (0%)
- Magenta (21%)
- Yellow (82%)
- Black (26%)





- Cyan (26%)
- Magenta (42%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7752, 32.3018, 6.0735 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 31.7752, 32.3018, 6.0735 by changing the saturation by 10% instead.


 31.7752, 32.3018,
6.0735


 31.7752, 32.3018,
6.0735


301.8575,
312.4918, 169.0542


 21.3446, 21.5921,
2.8203


 61.8261, 63.2839,
18.5636


 13.4900, 13.5575,
1.0036


 82.1770, 84.3251,
28.6375

 7.8461, 7.8136,
0.0000


 106.5655,
109.5790, 41.8221

 4.0476, 3.9759,
0.0000

 135.3568,
139.4299, 58.5360

 1.7291, 1.6601,
0.0000

 168.9163,
174.2622, 79.1975

 0.4744, 0.3976,
0.0000

 207.6093,

 0.0000, 0.0000,

214.4604, 104.2254

0.0000

251.8012,
260.4088, 134.0381

■ 31.7752, 32.3018,
6.0735

■ 31.7752, 32.3018,
6.0735

■ 30.8369, 30.7472,
4.7691

■ 32.8939, 33.9805,
8.1698

■ 30.1747, 29.5631,
4.1159

■ 34.2125, 35.7876,
11.1680

■ 35.7497, 37.7327,
15.1623

■ 37.5215, 39.8225,
20.2346

■ 39.5421, 42.0633,
26.4585

■ 41.8245, 44.4608,
33.9007

■ 44.3808, 47.0205,
42.6230

■ 47.2221, 49.7473,
52.6830

■ 50.3592, 52.6459,
64.1348

Harmonies

Analogous

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



40.7087, 32.3018, 8.8210



31.7752, 32.3018, 6.0735



24.0126, 32.3018, 7.6669

Triad

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



31.7752, 32.3018, 6.0735



18.2449, 32.3018, 60.2646



46.4197, 32.3018, 68.1196

Complementary

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



31.7752, 32.3018, 6.0735



12.1193, 8.7358, 48.6239

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.



38.5307, 32.3018, 96.1307



31.7752, 32.3018, 6.0735



22.4860, 32.3018, 90.3119

Square

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



31.7752, 32.3018, 6.0735



17.0987, 32.3018, 32.2191



29.6530, 32.3018, 105.7077



50.0928, 32.3018, 38.2983

Rectangle

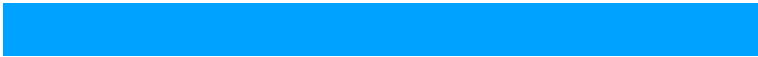
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.7752, 32.3018, 6.0735



20.3305, 32.3018, 11.7103



29.6530, 32.3018, 105.7077



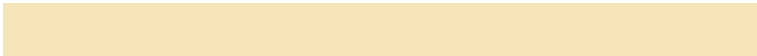
44.1093, 32.3018, 78.5085

Sweetspot

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



31.7759, 32.3034, 6.0741



74.2996, 79.0270, 56.4656



22.5834, 12.3445, 7.8616



15.6662, 16.6666, 11.1279



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.7759, 32.3034, 6.0741



54.7647, 53.6901, 7.6174



31.2333, 42.7635, 8.1217



10.1121, 10.7003, 10.1090



20.6065, 20.2518, 2.8229



0.8566, 0.8920, 0.1270

Inverse Universe

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



12.1193, 8.7358, 48.6239



18.4396, 10.4668, 87.2746



12.1704, 6.0749, 48.1076



9.2076, 9.6075, 12.0413



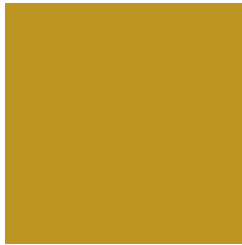
6.9401, 3.9919, 32.7976



0.3262, 0.2650, 1.3028

Previews

White Background



This preview shows how the XYZ color 31.7752, 32.3018, 6.0735 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 31.7752, 32.3018, 6.0735 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 31.7752, 32.3018, 6.0735

Background



This preview shows how black text looks on a background with the XYZ color 31.7752, 32.3018, 6.0735.



This preview shows how white text looks on a background with the XYZ color 31.7752, 32.3018,

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

31.7752, 32.3018, 6.0735

Protanopia

29.2583, 32.4483, 6.3112

Deuteranopia

32.8304, 32.1485, 6.0650



Tritanopia

37.1631, 32.2373, 32.6975

Trichromacy



Original Color

31.7752, 32.3018, 6.0735

Protanomaly

30.0547, 32.3688, 6.2539

Deuteranomaly

32.4753, 32.1953, 6.0928

Tritanomaly

34.2145, 31.9129, 18.2664

Monochromacy



Original Color

31.7752, 32.3018, 6.0735

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.3480, 30.0279, 18.2118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7752, 32.3018, 6.0735 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(188, 149, 34)` looks like.

```
.text, #text, p{  
    color:rgb(188, 149, 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(188, 149, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 149, 34) }
```

Border

The CSS property to change the border of an element to XYZ 31.7752, 32.3018, 6.0735 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(188, 149, 34) }
```


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

```
.border{ border-color:rgb(188, 149, 34) }
```

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

Here you see how a box with a 4 pixel rgb(188, 149, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 149, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 149, 34);  
box-shadow:4px 4px 4px 4px rgb(188, 149,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7752, 32.3018, 6.0735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 149, 34) }
```

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

```
.background{ background-color: rgb(188,  
149, 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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