

Converting Colors

XYZ(18.1155, 32.0812, 6.7813)

Have a look what the booklet for
XYZ(18.1155, 32.0812, 6.7813)
contains.

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Color

**XYZ(18.0729, 32.0406,
6.7453)**

Conversions

Conversions Part 1

Format	Color
Hex	45AF22
RGB	69, 175, 34
RGB Percent	27%, 69%, 13%
CMY	0.7294, 0.3137, 0.8666
CMYK	0.61, 0.00, 0.81, 0.31
HSL	105°, 67%, 41%
HSV	105°, 81%, 69%
XYZ	18.0729, 32.0406, 6.7453
YIQ	127.2320, -17.9150, -66.3230

Conversions

Conversions Part 2

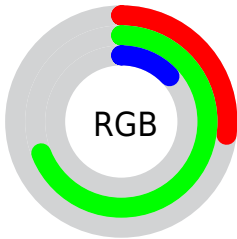
Format	Color
RYB	34, 175, 140
Decimal	4566818
CIELab	63.38, -54.62, 57.72
CIELCh	63, 79.467, 133.420
Yxy	32.0406, 0.3179, 0.5635
Android (android.graphics.Color)	4282756898 (0xFF45AF22)
YUV	127.2320, -45.9634, -51.0695
Hunter-Lab	56.6044, -42.0655, 32.5578

Details

The XYZ color **18.0729, 32.0406, 6.7453** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **19.1274, 9.8161, 41.4457**, and the grayscale version is **20.4111, 21.4741, 23.3852**.

A 20% lighter version of the original color is **39.7982, 63.1357, 19.9864**, and **6.8374, 13.6747, 2.2791** is the 20% darker color. If you saturate the color by 10%, you get **17.0501, 31.5364, 5.6988**, and if you desaturate by 10%, it is **19.4327, 32.7056, 8.4795**.

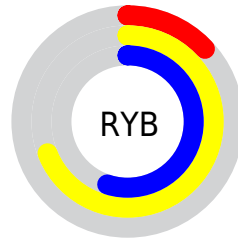
Distribution



Red (27%)

Green (69%)

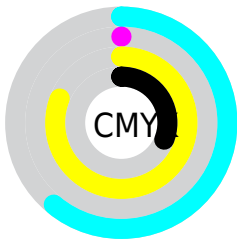
Blue (13%)



Red (13%)

Yellow (69%)

Blue (55%)

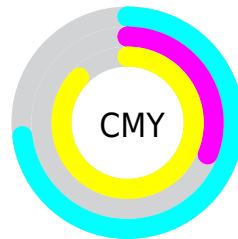


Cyan (61%)

Magenta (0%)

Yellow (81%)

Black (31%)



Cyan (73%)


Magenta (31%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0729, 32.0406, 6.7453 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 18.0729, 32.0406, 6.7453 by changing the saturation by 10% instead.


 18.0729, 32.0406,
6.7453


 18.0729, 32.0406,
6.7453


234.3193,
311.3042, 175.0801


 11.1023, 21.3925,
3.2273


 39.6906, 62.8747,
19.9630


 6.2035, 13.4112,
1.2118


 55.0685, 83.8296,
30.4998

 3.0111, 7.7123,
0.0000


 73.9795, 108.9888,
44.2133

 1.1596, 3.9114,
0.0000

 96.7890, 138.7367,
61.5221

 0.0741, 1.6241,
0.0000

 123.8624,
173.4579, 82.8446

 0.0000, 0.3738,
0.0000

 155.5650,

 0.0000, 0.0000,

213.5365, 108.5994

0.0000

192.2622,
259.3572, 139.2050

■ 18.0729, 32.0406,
6.7453

■ 18.0729, 32.0406,
6.7453

■ 17.0501, 31.5364,
5.6988

■ 19.4327, 32.7056,
8.4795

■ 16.3451, 31.1842,
5.1577

■ 21.1570, 33.5407,
10.9903

■ 23.2726, 34.5591,
14.3557

■ 25.8031, 35.7713,
18.6434

■ 28.7701, 37.1873,
23.9145

■ 32.1937, 38.8160,
30.2249

■ 36.0925, 40.6662,
37.6260

■ 40.4842, 42.7457,
46.1661

■ 45.3855, 45.0623,
55.8906

Harmonies

Analogous

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



25.7895, 32.0406, 2.8755



18.0729, 32.0406, 6.7453



14.3074, 32.0406, 20.2600

Triad

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



18.0729, 32.0406, 6.7453



24.7909, 32.0406, 131.5596



56.1083, 32.0406, 22.5977

Complementary

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



18.0729, 32.0406, 6.7453



19.1274, 9.8161, 41.4457

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.



55.6544, 32.0406, 55.2603



18.0729, 32.0406, 6.7453



35.6488, 32.0406, 133.6722

Square

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



18.0729, 32.0406, 6.7453



17.4949, 32.0406, 95.5472



47.4913, 32.0406, 100.2612



48.6127, 32.0406, 7.5691

Rectangle

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



18.0729, 32.0406, 6.7453



13.8031, 32.0406, 38.6392



47.4913, 32.0406, 100.2612



56.9263, 32.0406, 31.3855

Sweetspot

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



18.0736, 32.0420, 6.7460



55.1979, 68.3470, 49.5559



27.3110, 27.9143, 5.4624



11.7956, 14.9659, 10.1448



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.



18.0736, 32.0420, 6.7460



29.4446, 55.9320, 9.4396



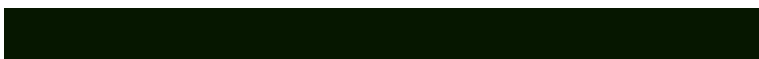
17.0727, 31.4343, 10.8396



8.0838, 9.0318, 8.5306



11.7535, 22.3562, 3.6957



0.3767, 0.6476, 0.1051

Inverse Universe

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



19.1274, 9.8161, 41.4457



31.0146, 14.4974, 73.8005



22.9677, 12.1450, 25.8497



8.1400, 8.0465, 10.0768



12.3657, 5.7346, 29.4997



0.3899, 0.1832, 0.8228

Previews

White Background



This preview shows how the XYZ color 18.0729, 32.0406, 6.7453 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 18.0729, 32.0406, 6.7453 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 18.0729, 32.0406, 6.7453

Background



This preview shows how black text looks on a background with the XYZ color 18.0729, 32.0406, 6.7453.



This preview shows how white text looks on a background with the XYZ color 18.0729, 32.0406,

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

18.0729, 32.0406, 6.7453

Protanopia

28.6141, 31.6370, 5.6970

Deuteranopia

32.1656, 31.5489, 7.3000



Tritanopia

25.8634, 31.8704, 45.8627

Trichromacy



Original Color

18.0729, 32.0406, 6.7453



Protanomaly

22.9709, 30.7344, 5.9499



Deuteranomaly

24.3757, 30.1618, 6.9200



Tritanomaly

21.3873, 31.1189, 23.9481

Monochromacy



Original Color

18.0729, 32.0406, 6.7453



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.8929, 23.8010, 14.0069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0729, 32.0406, 6.7453 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, 175, 34)` looks like.

```
.text, #text, p{  
    color:rgb(69, 175, 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(69, 175, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 175, 34) }
```

Border

The CSS property to change the border of an element to XYZ 18.0729, 32.0406, 6.7453 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, 175, 34) }
```


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

```
.border{ border-color:rgb(69, 175, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 175, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 175, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 175, 34);  
box-shadow:4px 4px 4px 4px rgb(69, 175,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0729, 32.0406, 6.7453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 175, 34) }
```

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

```
.background{ background-color: rgb(69, 175,  
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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