

Converting Colors

XYZ(18.9340, 32.2955, 6.8152)

Have a look what the booklet for
XYZ(18.9340, 32.2955, 6.8152)
contains.

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Color

**XYZ(18.8328, 32.1428,
6.8017)**

Conversions

Conversions Part 1

Format	Color
Hex	51AE23
RGB	81, 174, 35
RGB Percent	32%, 68%, 14%
CMY	0.6824, 0.3176, 0.8627
CMYK	0.53, 0.00, 0.80, 0.32
HSL	100°, 67%, 41%
HSV	100°, 80%, 68%
XYZ	18.8328, 32.1428, 6.8017
YIQ	130.3470, -10.8090, -62.9450

Conversions

Conversions Part 2

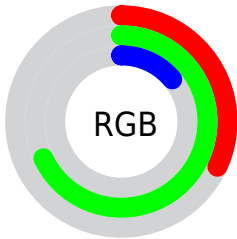
Format	Color
RYB	35, 174, 128
Decimal	5352995
CIELab	63.46, -51.01, 57.64
CIELCh	63, 76.973, 131.506
Yxy	32.1428, 0.3260, 0.5563
Android (android.graphics.Color)	4283543075 (0xFF51AE23)
YUV	130.3470, -47.0061, -43.2773
Hunter-Lab	56.6946, -39.9215, 32.5732

Details

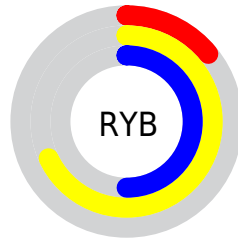
The XYZ color **18.8328, 32.1428, 6.8017** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **17.1450, 8.8485, 40.8504**, and the grayscale version is **21.5063, 22.6263, 24.6401**.

A 20% lighter version of the original color is **40.8760, 62.8553, 20.1031**, and **6.7165, 13.4329, 2.2388** is the 20% darker color. If you saturate the color by 10%, you get **17.7224, 31.5942, 5.7197**, and if you desaturate by 10%, it is **20.2439, 32.8336, 8.5676**.

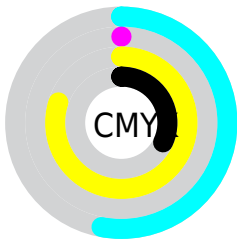
Distribution



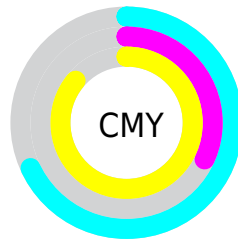
- Red (32%)
- Green (68%)
- Blue (14%)



- Red (14%)
- Yellow (68%)
- Blue (50%)



- Cyan (53%)
- Magenta (0%)
- Yellow (80%)
- Black (32%)



- Cyan (68%)
- Magenta (32%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8328, 32.1428, 6.8017 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 18.8328, 32.1428, 6.8017 by changing the saturation by 10% instead.

■ 18.8328, 32.1428,
6.8017

■ 18.8328, 32.1428,
6.8017

238.4800,
311.7692, 175.5736

■ 11.6528, 21.4706,
3.2618

■ 40.9704, 63.0349,
20.0792

■ 6.5782, 13.4684,
1.2298

■ 56.6588, 84.0236,
30.6539

■ 3.2437, 7.7519,
0.0032

■ 75.9140, 109.2198,
44.4106

■ 1.2839, 3.9366,
0.0000

■ 99.1014, 139.0081,
61.7679

■ 0.1711, 1.6382,
0.0000

■ 126.5863,
173.7728, 83.1443

■ 0.0000, 0.3831,
0.0000

■ 158.7342,

■ 0.0000, 0.0000,

213.8983, 108.9584

0.0000

195.9103,
259.7690, 139.6286

■ 18.8328, 32.1428,
6.8017

■ 18.8328, 32.1428,
6.8017

■ 17.7224, 31.5942,
5.7197

■ 20.2439, 32.8336,
8.5676

■ 16.8663, 31.1649,
5.1324

■ 21.9782, 33.6734,
11.1037

■ 16.8572, 31.1604,
5.1261

■ 24.0584, 34.6730,
14.4858

■ 26.5040, 35.8413,
18.7803

■ 29.3332, 37.1861,
24.0466

■ 32.5626, 38.7150,
30.3393

■ 36.2079, 40.4349,
37.7091

■ 40.2841, 42.3525,
46.2030

■ 44.8051, 44.4739,
55.8654

Harmonies

Analogous

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



26.6237, 32.1428, 3.1774



18.8328, 32.1428, 6.8017



14.8843, 32.1428, 19.4224

Triad

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



18.8328, 32.1428, 6.8017



24.4716, 32.1428, 126.0445



55.5058, 32.1428, 24.5010

Complementary

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



18.8328, 32.1428, 6.8017



17.1450, 8.8485, 40.8504

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.



54.5438, 32.1428, 57.2437



18.8328, 32.1428, 6.8017



34.8462, 32.1428, 130.4683

Square

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



18.8328, 32.1428, 6.8017



17.5758, 32.1428, 90.4523



46.3346, 32.1428, 100.3707



48.7181, 32.1428, 8.6544

Rectangle

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



18.8328, 32.1428, 6.8017



14.2396, 32.1428, 36.5709



46.3346, 32.1428, 100.3707



56.1137, 32.1428, 33.4709

Sweetspot

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



18.8336, 32.1442, 6.8024



56.3099, 68.9203, 49.6080



25.4361, 24.4731, 4.9738



12.0674, 15.1060, 10.1575



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.



18.8336, 32.1442, 6.8024



30.9132, 56.6876, 9.5732



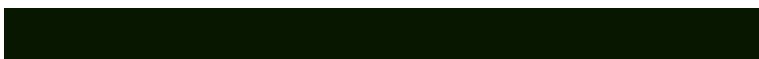
16.5982, 30.9381, 9.1229



8.1449, 9.0633, 8.5335



12.2831, 22.6292, 3.7205



0.4005, 0.6598, 0.1063

Inverse Universe

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



17.1450, 8.8485, 40.8504



27.4468, 12.6947, 73.6406



23.6302, 12.4306, 30.3628



8.0756, 8.0133, 10.0738



10.8709, 4.9640, 29.4297



0.3570, 0.1662, 0.8213

Previews

White Background



This preview shows how the XYZ color 18.8328, 32.1428, 6.8017 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 18.8328, 32.1428, 6.8017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

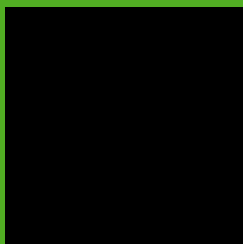
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.8328, 32.1428, 6.8017

Background



This preview shows how black text looks on a background with the XYZ color 18.8328, 32.1428, 6.8017.



This preview shows how white text looks on a background with the XYZ color 18.8328, 32.1428,

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

18.8328, 32.1428, 6.8017

Protanopia

28.6388, 31.6469, 5.8273

Deuteranopia

32.1656, 31.5489, 7.3000



Tritanopia

26.4839, 31.9391, 45.3264

Trichromacy



Original Color

18.8328, 32.1428, 6.8017

Protanomaly

23.6530, 31.0830, 6.1195

Deuteranomaly

25.1056, 30.5381, 6.9541

Tritanomaly

22.0982, 31.2145, 23.9291

Monochromacy



Original Color

18.8328, 32.1428, 6.8017

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

19.0265, 24.8287, 14.6161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8328, 32.1428, 6.8017 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(81, 174, 35)` looks like.

```
.text, #text, p{  
    color:rgb(81, 174, 35)  
}
```

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(81, 174, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 174, 35) }
```

Border

The CSS property to change the border of an element to XYZ 18.8328, 32.1428, 6.8017 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(81, 174, 35) }
```


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

```
.border{ border-color:rgb(81, 174, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 174, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 174, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 174, 35);  
box-shadow:4px 4px 4px 4px rgb(81, 174,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8328, 32.1428, 6.8017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 174, 35) }
```

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

```
.background{ background-color: rgb(81, 174,  
35) }
```

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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