

Converting Colors

XYZ(18.3169, 33.9076, 7.2895)

Have a look what the booklet for
XYZ(18.3169, 33.9076, 7.2895)
contains.

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Color

**XYZ(18.3260, 33.9382,
7.3351)**

Conversions

Conversions Part 1

Format	Color
Hex	35B525
RGB	53, 181, 37
RGB Percent	21%, 71%, 15%
CMY	0.7922, 0.2902, 0.8549
CMYK	0.71, 0.00, 0.80, 0.29
HSL	113°, 66%, 43%
HSV	113°, 80%, 71%
XYZ	18.3260, 33.9382, 7.3351
YIQ	126.3120, -30.0640, -71.9200

Conversions

Conversions Part 2

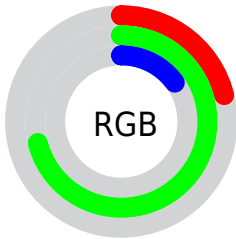
Format	Color
RYB	37, 181, 165
Decimal	3519781
CIELab	64.91, -59.91, 58.13
CIElCh	65, 83.474, 135.865
Yxy	33.9382, 0.3075, 0.5694
Android (android.graphics.Color)	4281709861 (0xFF35B525)
YUV	126.3120, -44.0308, -64.2946
Hunter-Lab	58.2565, -45.7974, 33.3143

Details

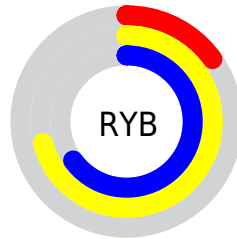
The XYZ color **18.3260, 33.9382, 7.3351** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **24.5216, 12.6602, 44.8691**, and the grayscale version is **20.0912, 21.1375, 23.0187**.

A 20% lighter version of the original color is **40.0661, 65.8088, 21.1803**, and **7.5894, 15.1787, 2.5298** is the 20% darker color. If you saturate the color by 10%, you get **17.4010, 33.4875, 6.1585**, and if you desaturate by 10%, it is **19.6773, 34.5945, 9.2681**.

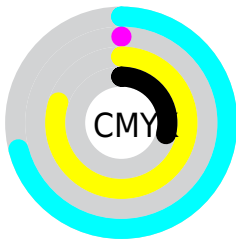
Distribution



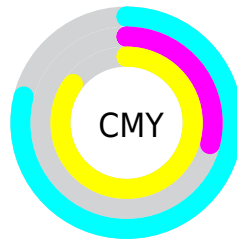
- Red (21%)
- Green (71%)
- Blue (15%)



- Red (15%)
- Yellow (71%)
- Blue (65%)



- Cyan (71%)
- Magenta (0%)
- Yellow (80%)
- Black (29%)





- Cyan (79%)
- Magenta (29%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.3260, 33.9382, 7.3351 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 18.3260, 33.9382, 7.3351 by changing the saturation by 10% instead.


 18.3260, 33.9382,
7.3351


 18.3260, 33.9382,
7.3351


235.7124,
319.8564, 180.1550


 11.2854, 22.8461,
3.5909


 40.1178, 65.8376,
21.1685


 6.3278, 14.4799,
1.4037


 55.5997, 87.4136,
32.0948

 3.0880, 8.4552,
0.1446


 74.6260, 113.2531,
46.2522

 1.2005, 4.3876,
0.0000

 97.5622, 143.7405,
64.0593

 0.1067, 1.8926,
0.0000

 124.7736,
179.2601, 85.9345

 0.0000, 0.5440,
0.0000

 156.6255,

 0.0000, 0.0000,

220.1964, 112.2966

0.0000

193.4833,
266.9337, 143.5639

■ 18.3260, 33.9382,
7.3351

■ 18.3260, 33.9382,
7.3351

■ 17.4010, 33.4875,
6.1585

■ 19.6773, 34.5945,
9.2681

■ 16.8344, 33.2084,
5.5457

■ 21.4967, 35.4726,
12.0533

■ 16.8152, 33.1989,
5.5218

■ 23.8233, 36.5921,
15.7745

■ 26.6914, 37.9689,
20.5053

■ 30.1326, 39.6179,
26.3116

■ 34.1756, 41.5527,
33.2539

■ 38.8474, 43.7860,
41.3882

■ 44.1735, 46.3296,
50.7668

■ 50.1778, 49.1949,
61.4389

Harmonies

Analogous

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



26.3306, 33.9382, 2.8254



18.3260, 33.9382, 7.3351



14.6065, 33.9382, 23.0060

Triad

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



18.3260, 33.9382, 7.3351



26.9253, 33.9382, 145.8208



60.0595, 33.9382, 21.6234

Complementary

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



18.3260, 33.9382, 7.3351



24.5216, 12.6602, 44.8691

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.



60.3339, 33.9382, 55.6337



18.3260, 33.9382, 7.3351



39.0125, 33.9382, 144.5296

Square

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



18.3260, 33.9382, 7.3351



18.6675, 33.9382, 107.9322



51.8995, 33.9382, 105.0628



51.2231, 33.9382, 6.8634

Rectangle

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



18.3260, 33.9382, 7.3351



14.2672, 33.9382, 44.1546



51.8995, 33.9382, 105.0628



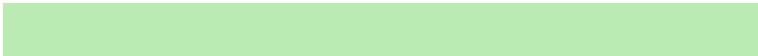
61.2186, 33.9382, 30.5802

Sweetspot

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



18.3268, 33.9396, 7.3359



57.5587, 72.6725, 53.2690



32.7028, 36.5817, 7.0881



11.9048, 15.4507, 10.5959



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



18.3268, 33.9396, 7.3359



30.4032, 59.5976, 10.2403



19.2285, 34.2189, 15.7638



8.4737, 9.5338, 9.0461



11.6223, 22.9016, 3.8079



0.3939, 0.7351, 0.1211

Inverse Universe

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



24.5216, 12.6602, 44.8691



41.6003, 19.9105, 79.9451



23.4719, 12.6490, 20.8770



8.7552, 8.5979, 10.7044



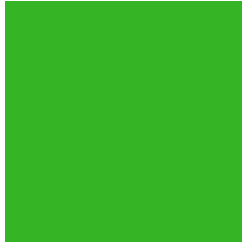
15.9041, 7.5347, 30.7531



0.5267, 0.2506, 0.9689

Previews

White Background



This preview shows how the XYZ color 18.3260, 33.9382, 7.3351 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 18.3260, 33.9382, 7.3351 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 18.3260, 33.9382, 7.3351

Background



This preview shows how black text looks on a background with the XYZ color 18.3260, 33.9382, 7.3351.



This preview shows how white text looks on a background with the XYZ color 18.3260, 33.9382,

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

18.3260, 33.9382, 7.3351

Protanopia

30.2088, 33.4430, 6.1593

Deuteranopia

33.7154, 33.0298, 7.8472



Tritanopia

26.7513, 33.8772, 49.3850

Trichromacy



Original Color

18.3260, 33.9382, 7.3351



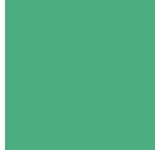
Protanomaly

23.2708, 32.2075, 6.4290



Deuteranomaly

24.4116, 31.1865, 7.4223



Tritanomaly

21.8865, 33.0086, 25.9866

Monochromacy



Original Color

18.3260, 33.9382, 7.3351



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.4449, 24.0186, 14.3063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3260, 33.9382, 7.3351 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(53, 181, 37)` looks like.

```
.text, #text, p{  
    color:rgb(53, 181, 37)  
}
```

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(53, 181, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 181, 37) }
```

Border

The CSS property to change the border of an element to XYZ 18.3260, 33.9382, 7.3351 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(53, 181, 37) }
```


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

```
.border{ border-color:rgb(53, 181, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 181, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 181, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 181, 37);  
box-shadow:4px 4px 4px 4px rgb(53, 181,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3260, 33.9382, 7.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 181, 37) }
```

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

```
.background{ background-color: rgb(53, 181,  
37) }
```

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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