

Converting Colors

XYZ(18.6372, 36.5321, 7.2067)

Have a look what the booklet for
XYZ(18.6372, 36.5321, 7.2067)
contains.

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Color

**XYZ(18.6879, 36.6223,
7.2463)**

Conversions

Conversions Part 1

Format	Color
Hex	13BD1D
RGB	19, 189, 29
RGB Percent	7%, 74%, 11%
CMY	0.9255, 0.2588, 0.8862
CMYK	0.90, 0.00, 0.85, 0.26
HSL	124°, 82%, 41%
HSV	124°, 90%, 74%
XYZ	18.6879, 36.6223, 7.2463
YIQ	119.9300, -49.9600, -85.8000

Conversions

Conversions Part 2

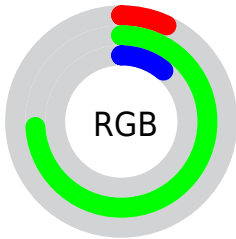
Format	Color
R_{YB}	19, 180, 189
Decimal	1293597
CIE _{Lab}	66.99, -66.98, 62.04
CIE _{LCh}	67, 91.301, 137.193
Yxy	36.6223, 0.2987, 0.5854
Android (android.graphics.Color)	4279483677 (0xFF13BD1D)
YUV	119.9300, -44.8285, -88.5156
Hunter-Lab	60.5164, -50.7815, 35.2620

Details

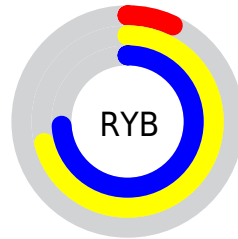
The XYZ color **18.6879, 36.6223, 7.2463** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **29.3560, 14.5394, 43.9036**, and the grayscale version is **17.9815, 18.9179, 20.6016**.

A 20% lighter version of the original color is **40.8151, 70.2028, 21.0722**, and **8.5251, 17.0502, 2.8417** is the 20% darker color. If you saturate the color by 10%, you get **18.2613, 36.4219, 6.3911**, and if you desaturate by 10%, it is **19.5030, 37.0104, 8.7837**.

Distribution



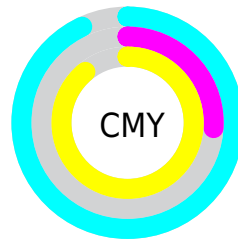
- Red (7%)
- Green (74%)
- Blue (11%)



- Red (7%)
- Yellow (71%)
- Blue (74%)



- Cyan (90%)
- Magenta (0%)
- Yellow (85%)
- Black (26%)





- Cyan (93%)
- Magenta (26%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6879, 36.6223, 7.2463 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 18.6879, 36.6223, 7.2463 by changing the saturation by 10% instead.


 18.6879, 36.6223,
7.2463


 18.6879, 36.6223,
7.2463


237.6917,
331.6724, 179.4027


 11.5476, 24.9152,
3.5358

 40.7270, 69.9915,
20.9883


 6.5065, 16.0139,
1.3743


 56.3566, 92.4224,
31.8568

 3.1990, 9.5340,
0.1216


 75.5467, 119.1966,
45.9485

 1.2598, 5.0911,
0.0000

 98.6625, 150.6987,
63.6819

 0.1528, 2.3008,
0.0000

 126.0696,
187.3129, 85.4754

 0.0000, 0.7741,
0.0000

 158.1333,

 0.0000, 0.0000,

229.4236, 111.7477

0.0000

195.2188,
277.4153, 142.9173

■ 18.6879, 36.6223,
7.2463

■ 18.6879, 36.6223,
7.2463

■ 18.2613, 36.4219,
6.3911

■ 19.5030, 37.0104,
8.7837

■ 18.2595, 36.4211,
6.3881

■ 20.8164, 37.6375,
11.1058

■ 22.6923, 38.5358,
14.2992

■ 25.1843, 39.7314,
18.4387

■ 28.3399, 41.2474,
23.5909

■ 32.2021, 43.1046,
29.8166

■ 36.8100, 45.3221,
37.1715

■ 42.1999, 47.9174,
45.7077

■ 48.4060, 50.9069,
55.4741

Harmonies

Analogous

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



27.5096, 36.6223, 2.3735



18.6879, 36.6223, 7.2463



14.7509, 36.6223, 25.2363

Triad

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



18.6879, 36.6223, 7.2463



29.2286, 36.6223, 170.2207



66.9819, 36.6223, 21.3008

Complementary

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



18.6879, 36.6223, 7.2463



29.3560, 14.5394, 43.9036

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.



67.8020, 36.6223, 59.3006



18.6879, 36.6223, 7.2463



43.2959, 36.6223, 166.2724

Square

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



18.6879, 36.6223, 7.2463



19.6571, 36.6223, 126.1790



58.2515, 36.6223, 117.4826



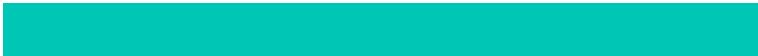
56.2417, 36.6223, 6.0001

Rectangle

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



18.6879, 36.6223, 7.2463



14.4966, 36.6223, 50.2172



58.2515, 36.6223, 117.4826



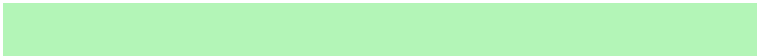
68.5114, 36.6223, 31.0610

Sweetspot

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



18.6888, 36.6238, 7.2471



59.6192, 78.1344, 56.5186



37.2556, 46.2074, 7.5714



12.2577, 16.5315, 11.2517



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.



18.6888, 36.6238, 7.2471



32.6740, 65.2167, 11.2963



21.4195, 37.7161, 21.6271



9.4310, 10.6585, 10.2529



12.2949, 24.5083, 4.3499



0.4895, 0.9632, 0.2118

Inverse Universe

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



29.3560, 14.5394, 43.9036



51.9237, 25.1114, 77.2580



23.3084, 12.1204, 12.0573



9.9050, 9.6863, 11.8890



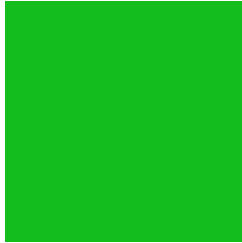
19.5284, 9.4425, 29.1398



0.7724, 0.3728, 1.1806

Previews

White Background



This preview shows how the XYZ color 18.6879, 36.6223, 7.2463 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 18.6879, 36.6223, 7.2463 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 18.6879, 36.6223, 7.2463

Background



This preview shows how black text looks on a background with the XYZ color 18.6879, 36.6223, 7.2463.



This preview shows how white text looks on a background with the XYZ color 18.6879, 36.6223,

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

18.6879, 36.6223, 7.2463

Protanopia

32.3471, 35.8399, 5.9224

Deuteranopia

36.5742, 35.7007, 7.8690



Tritanopia

28.1279, 36.4738, 54.2729

Trichromacy



Original Color

18.6879, 36.6223, 7.2463



Protanomaly

23.0858, 33.7819, 6.1680



Deuteranomaly

24.2075, 32.6738, 7.2213



Tritanomaly

22.3655, 35.5860, 27.1627

Monochromacy



Original Color

18.6879, 36.6223, 7.2463



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.4130, 22.7779, 12.6011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6879, 36.6223, 7.2463 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(19, 189, 29)` looks like.

```
.text, #text, p{  
    color:rgb(19, 189, 29)  
}
```

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(19, 189, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 189, 29) }
```

Border

The CSS property to change the border of an element to XYZ 18.6879, 36.6223, 7.2463 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(19, 189, 29) }
```


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

```
.border{ border-color:rgb(19, 189, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 189, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 189, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 189, 29);  
box-shadow:4px 4px 4px 4px rgb(19, 189,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6879, 36.6223, 7.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 189, 29) }
```

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

```
.background{ background-color: rgb(19, 189,  
29) }
```

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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