

Converting Colors

XYZ(18.0590, 35.4969, 6.6623)

Have a look what the booklet for
XYZ(18.0590, 35.4969, 6.6623)
contains.

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Color

**XYZ(17.9723, 35.3142,
6.6281)**

Conversions

Conversions Part 1

Format	Color
Hex	13BA16
RGB	19, 186, 22
RGB Percent	7%, 73%, 9%
CMY	0.9255, 0.2706, 0.9137
CMYK	0.90, 0.00, 0.88, 0.27
HSL	121°, 81%, 40%
HSV	121°, 90%, 73%
XYZ	17.9723, 35.3142, 6.6281
YIQ	117.3710, -46.8880, -86.4080

Conversions

Conversions Part 2

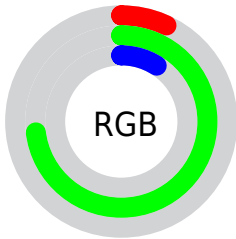
Format	Color
RYB	19, 183, 186
Decimal	1292822
CIELab	65.99, -66.43, 62.69
CIElCh	66, 91.342, 136.659
Yxy	35.3142, 0.3000, 0.5894
Android (android.graphics.Color)	4279482902 (0xFF13BA16)
YUV	117.3710, -47.0179, -86.2714
Hunter-Lab	59.4258, -50.0108, 34.9851

Details

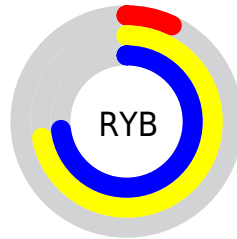
The XYZ color **17.9723, 35.3142, 6.6281** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **29.0301, 14.3240, 46.0316**, and the grayscale version is **17.1770, 18.0715, 19.6799**.

A 20% lighter version of the original color is **39.3992, 67.7001, 19.5852**, and **8.1163, 16.2326, 2.7054** is the 20% darker color. If you saturate the color by 10%, you get **17.5852, 35.1300, 5.9615**, and if you desaturate by 10%, it is **18.7320, 35.6789, 7.9316**.

Distribution



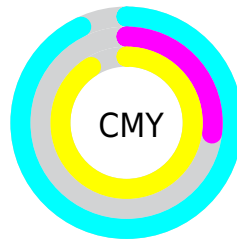
- Red (7%)
- Green (73%)
- Blue (9%)



- Red (7%)
- Yellow (72%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (88%)
- Black (27%)





- Cyan (93%)
- Magenta (27%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.9723, 35.3142, 6.6281 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 17.9723, 35.3142, 6.6281 by changing the saturation by 10% instead.


 17.9723, 35.3142,
6.6281


 17.9723, 35.3142,
6.6281


233.7635,
325.9530, 174.0487


 11.0297, 23.9050,
3.1557


 39.5206, 67.9722,
19.7210


 6.1542, 15.2632,
1.1747


 54.8569, 89.9899,
30.1786

 2.9806, 9.0043,
0.0000


 73.7219, 116.3124,
43.8017

 1.1435, 4.7440,
0.0000

 96.4808, 147.3243,
61.0089

 0.0611, 2.0978,
0.0000

 123.4991,
183.4099, 82.2186

 0.0000, 0.6634,
0.0000

 155.1421,

 0.0000, 0.0000,

224.9536, 107.8495

0.0000

191.7751,
272.3399, 138.3200

■ 17.9723, 35.3142,
6.6281

■ 17.9723, 35.3142,
6.6281

■ 17.5852, 35.1300,
5.9615

■ 18.7320, 35.6789,
7.9316

■ 17.5780, 35.1266,
5.9499

■ 19.9794, 36.2768,
10.0246

■ 21.7785, 37.1402,
13.0062

■ 24.1835, 38.2950,
16.9605

■ 27.2417, 39.7640,
21.9617

■ 30.9960, 41.5680,
28.0769

■ 35.4856, 43.7257,
35.3676

■ 40.7466, 46.2547,
43.8908

■ 46.8130, 49.1712,
53.6998

Harmonies

Analogous

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



26.6433, 35.3142, 2.1264



17.9723, 35.3142, 6.6281



14.0766, 35.3142, 23.6899

Triad

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



17.9723, 35.3142, 6.6281



27.9111, 35.3142, 166.1240



65.1808, 35.3142, 20.7972

Complementary

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



17.9723, 35.3142, 6.6281



29.0301, 14.3240, 46.0316

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.



65.7899, 35.3142, 58.3404



17.9723, 35.3142, 6.6281



41.5925, 35.3142, 163.1779

Square

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



17.9723, 35.3142, 6.6281



18.6843, 35.3142, 122.1224



56.2736, 35.3142, 115.6451



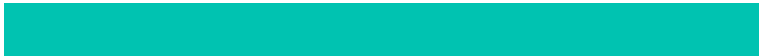
54.7828, 35.3142, 5.7269

Rectangle

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



17.9723, 35.3142, 6.6281



13.7836, 35.3142, 47.7585



56.2736, 35.3142, 115.6451



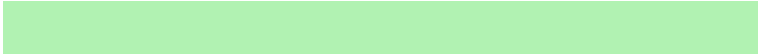
66.6182, 35.3142, 30.4391

Sweetspot

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



17.9731, 35.3157, 6.6289



57.9602, 76.1970, 53.7831



37.2580, 45.2605, 7.3886



12.1943, 16.5062, 10.9180



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.



17.9731, 35.3157, 6.6289



31.8505, 63.6628, 10.7348



20.3927, 36.2835, 19.3704



8.8967, 10.0627, 9.6136



11.8284, 23.6323, 4.0185



0.4192, 0.8340, 0.1534

Inverse Universe

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



29.0301, 14.3240, 46.0316



52.1196, 25.0878, 82.8962



22.7701, 11.8200, 13.0668



9.3738, 9.1599, 11.3157



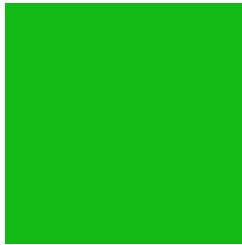
19.3523, 9.3147, 30.8057



0.6844, 0.3293, 1.0977

Previews

White Background



This preview shows how the XYZ color 17.9723, 35.3142, 6.6281 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 17.9723, 35.3142, 6.6281 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 17.9723, 35.3142, 6.6281

Background



This preview shows how black text looks on a background with the XYZ color 17.9723, 35.3142, 6.6281.



This preview shows how white text looks on a background with the XYZ color 17.9723, 35.3142,

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

17.9723, 35.3142, 6.6281

Protanopia

31.0549, 34.4065, 5.3522

Deuteranopia

35.3597, 34.6020, 7.2978



Tritanopia

27.1377, 35.1373, 52.3656

Trichromacy



Original Color

17.9723, 35.3142, 6.6281



Protanomaly

22.1667, 32.4783, 5.5908



Deuteranomaly

23.4409, 31.7528, 6.6437



Tritanomaly

21.4385, 34.2430, 25.5583

Monochromacy



Original Color

17.9723, 35.3142, 6.6281



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

14.5893, 21.7045, 11.4031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9723, 35.3142, 6.6281 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, 186, 22)` looks like.

```
.text, #text, p{  
    color:rgb(19, 186, 22)  
}
```

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, 186, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 186, 22) }
```

Border

The CSS property to change the border of an element to XYZ 17.9723, 35.3142, 6.6281 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, 186, 22) }
```


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

```
.border{ border-color:rgb(19, 186, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 186, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 186, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 186, 22);  
box-shadow:4px 4px 4px 4px rgb(19, 186,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9723, 35.3142, 6.6281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 186, 22) }
```

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

```
.background{ background-color: rgb(19, 186,  
22) }
```

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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