

Converting Colors

XYZ(16.9298, 23.2834, 35.5001)

Have a look what the booklet for
XYZ(16.9298, 23.2834, 35.5001)
contains.

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Color

**XYZ(16.9298, 23.2834,
35.5001)**

Conversions

Conversions Part 1

Format	Color
Hex	1F929D
RGB	31, 146, 157
RGB Percent	12%, 57%, 62%
CMY	0.8784, 0.4274, 0.3843
CMYK	0.80, 0.07, 0.00, 0.38
HSL	185°, 67%, 37%
HSV	185°, 80%, 62%
XYZ	16.9298, 23.2834, 35.5001
YIQ	112.8690, -72.0710, -20.9590

Conversions

Conversions Part 2

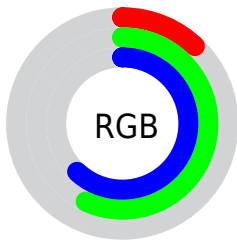
Format	Color
R_{YB}	31, 91, 157
Decimal	2069149
CIE _{Lab}	55.36, -26.27, -14.61
CIE _{LCh}	55, 30.065, 209.082
Yxy	23.2834, 0.2236, 0.3075
Android (android.graphics.Color)	4280259229 (0xFF1F929D)
YUV	112.8690, 21.7566, -71.7991
Hunter-Lab	48.2529, -21.8148, -9.8432

Details

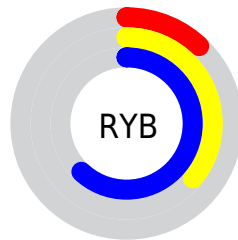
The XYZ color **16.9298, 23.2834, 35.5001** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.9807, 8.9239, 2.2301**, and the grayscale version is **15.6114, 16.4245, 17.8862**.

A 20% lighter version of the original color is **37.7935, 48.7713, 69.7092**, and **6.6937, 9.2250, 15.0635** is the 20% darker color. If you saturate the color by 10%, you get **16.3572, 22.6769, 35.4137**, and if you desaturate by 10%, it is **17.7367, 24.0154, 35.5993**.

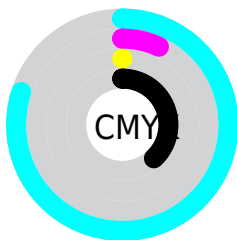
Distribution



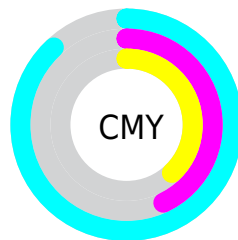
- Red (12%)
- Green (57%)
- Blue (62%)



- Red (12%)
- Yellow (36%)
- Blue (62%)



- Cyan (80%)
- Magenta (7%)
- Yellow (0%)
- Black (38%)



- Cyan (88%)
- Magenta (43%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9298, 23.2834, 35.5001 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 16.9298, 23.2834, 35.5001 by changing the saturation by 10% instead.

■ 16.9298, 23.2834,
35.5001

■ 16.9298, 23.2834,
35.5001

■ 227.9316,
269.1773, 341.7414

■ 10.2794, 14.8029,
23.7617

■ 37.7496, 48.8583,
69.4201

■ 5.6483, 8.6812,
14.9464

■ 52.6498, 66.7214,
92.4388

■ 2.6710, 4.5338,
8.6356

■ 71.0305, 88.4809,
120.0548

■ 0.9823, 1.9764,
4.4107

■ 93.2573, 114.5211,
152.6864

■ 0.0000, 0.5937,
1.8533

■ 119.6955,
145.2265, 190.7524

■ 0.0000, 0.0000,
0.4627

■ 150.7104,

■ 0.0000, 0.0000,

180.9814, 234.6712

0.0000

186.6673,
222.1702, 284.8613

■ 16.9298, 23.2834,
35.5001

■ 16.9298, 23.2834,
35.5001

■ 16.3572, 22.6769,
35.4137

■ 17.7367, 24.0154,
35.5993

■ 15.9526, 22.1679,
35.3367

■ 18.8053, 24.8856,
35.7109

■ 20.1615, 25.9079,
35.8368

■ 21.8276, 27.0937,
35.9779

■ 23.8234, 28.4533,
36.1351

■ 26.1674, 29.9962,
36.3094

■ 28.8765, 31.7312,
36.5015

■ 31.9665, 33.6664,
36.7121

■ 35.4525, 35.8096,
36.9421

Harmonies

Analogous

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



16.2553, 23.2834, 25.0551



16.9298, 23.2834, 35.5001



18.9606, 23.2834, 44.8710

Triad

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



16.9298, 23.2834, 35.5001



28.1771, 23.2834, 36.1495



22.2343, 23.2834, 10.9400

Complementary

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



16.9298, 23.2834, 35.5001



14.9807, 8.9239, 2.2301

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.



25.6346, 23.2834, 12.5169



16.9298, 23.2834, 35.5001



29.2732, 23.2834, 25.6506

Square

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



16.9298, 23.2834, 35.5001



25.4365, 23.2834, 45.3081



28.2994, 23.2834, 17.3490



19.1235, 23.2834, 12.3318

Rectangle

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



16.9298, 23.2834, 35.5001



20.9237, 23.2834, 48.3280



28.2994, 23.2834, 17.3490



23.3821, 23.2834, 11.1318

Sweetspot

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



16.9305, 23.2843, 35.5007



45.0152, 52.5138, 64.8904



13.0318, 24.5694, 6.2005



9.6037, 11.3563, 14.2562



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.9305, 23.2843, 35.5007



28.7510, 39.9118, 63.3152



9.7836, 8.9903, 33.1183



6.7723, 7.4104, 8.4801



12.9699, 18.0313, 28.7040



0.2449, 0.3485, 0.5176

Inverse Universe

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



19.5836, 10.2242, 28.1363



33.9497, 16.5982, 48.3738



19.1537, 17.2699, 3.6211



6.8792, 6.7446, 8.2148



15.3448, 7.4425, 21.8644



0.2809, 0.1357, 0.4256

Previews

White Background



This preview shows how the XYZ color 16.9298, 23.2834, 35.5001 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9298, 23.2834, 35.5001 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 × Fail

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

XYZ 16.9298, 23.2834, 35.5001

Background



This preview shows how black text looks on a background with the XYZ color 16.9298, 23.2834, 35.5001.

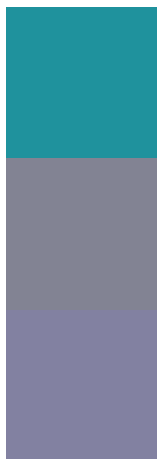


This preview shows how white text looks on a background with the XYZ color 16.9298, 23.2834,

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

16.9298, 23.2834, 35.5001

Protanopia

22.5887, 23.0850, 30.8691

Deuteranopia

23.4892, 23.0195, 36.9234



Tritanopia

17.0461, 23.3335, 35.9531

Trichromacy



Original Color

16.9298, 23.2834, 35.5001

Protanomaly

19.0062, 22.2224, 32.5658

Deuteranomaly

19.6252, 22.2457, 36.5172

Tritanomaly

17.0461, 23.3335, 35.9531

Monochromacy



Original Color

16.9298, 23.2834, 35.5001

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.8633, 18.0912, 23.4774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9298, 23.2834, 35.5001 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(31, 146, 157)` looks like.

```
.text, #text, p{  
    color:rgb(31, 146, 157)  
}
```

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(31, 146, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 146, 157) }
```

Border

The CSS property to change the border of an element to XYZ 16.9298, 23.2834, 35.5001 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(31, 146, 157) }
```


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

```
.border{ border-color:rgb(31, 146, 157) }
```

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

Here you see how a box with a 4 pixel rgb(31, 146, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 146, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 146, 157);  
box-shadow:4px 4px 4px 4px rgb(31, 146,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9298, 23.2834, 35.5001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 146, 157) }
```

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

```
.background{ background-color: rgb(31, 146,  
157) }
```

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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