

Converting Colors

XYZ(21.5194, 11.2299, 14.8298)

Have a look what the booklet for
XYZ(21.5194, 11.2299, 14.8298)
contains.

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Color

**XYZ(21.5506, 11.2580,
14.9471)**

Conversions

Conversions Part 1

Format	Color
Hex	B3176B
RGB	179, 23, 107
RGB Percent	70%, 9%, 42%
CMY	0.2980, 0.9097, 0.5804
CMYK	0.00, 0.87, 0.40, 0.30
HSL	328°, 77%, 40%
HSV	328°, 87%, 70%
XYZ	21.5506, 11.2580, 14.9471
YIQ	79.2200, 66.0120, 59.1960

Conversions

Conversions Part 2

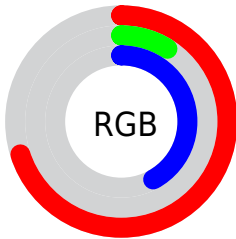
Format	Color
R_{YB}	179, 23, 107
Decimal	11736939
CIE _{Lab}	40.01, 63.46, -6.60
CIE _{LCh}	40, 63.803, 354.062
Yxy	11.2580, 0.4513, 0.2357
Android (android.graphics.Color)	4289927019 (0xFFB3176B)
YUV	79.2200, 13.6955, 87.5071
Hunter-Lab	33.5529, 55.9305, -2.9253

Details

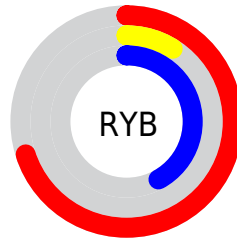
The XYZ color **21.5506, 11.2580, 14.9471** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **18.5400, 33.2490, 16.2706**, and the grayscale version is **7.4412, 7.8287, 8.5254**.

A 20% lighter version of the original color is **45.4243, 28.1317, 35.3836**, and **8.7008, 4.3912, 4.6640** is the 20% darker color. If you saturate the color by 10%, you get **20.8855, 10.5906, 12.6822**, and if you desaturate by 10%, it is **22.4900, 12.4076, 17.5086**.

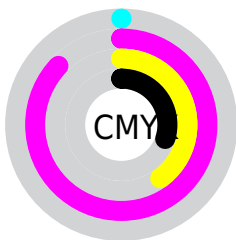
Distribution



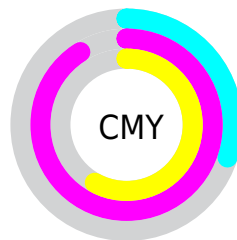
- Red (70%)
- Green (9%)
- Blue (42%)



- Red (70%)
- Yellow (9%)
- Blue (42%)



- Cyan (0%)
- Magenta (87%)
- Yellow (40%)
- Black (30%)





- Cyan (30%)
- Magenta (91%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5506, 11.2580, 14.9471 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 21.5506, 11.2580, 14.9471 by changing the saturation by 10% instead.


 21.5506, 11.2580,
14.9471


 21.5506, 11.2580,
14.9471


252.8670,
199.4291, 234.6755


 13.6418, 6.2406,
8.6361


 45.4865, 28.1363,
35.5013


 7.9520, 2.9920,
4.4110


 62.2443, 40.7660,
50.5816


 4.1158, 1.1275,
1.8534

 82.6826, 56.7019,
69.4221

 1.7678, 0.0013,
0.4629

 107.1665, 76.3285,
92.4412

 0.4982, 0.0000,
0.0000

 136.0616,
100.0301, 120.0576

 0.0000, 0.0000,
0.0000

 169.7332,

128.1912, 152.6897

208.5465,
161.1961, 190.7562

■ 21.5506, 11.2580,
14.9471

■ 21.5506, 11.2580,
14.9471

■ 20.8855, 10.5906,
12.6822

■ 22.4900, 12.4076,
17.5086

■ 20.7191, 10.4352,
12.0797

■ 23.7530, 14.1359,
20.3882

■ 25.3747, 16.5118,
23.6033

■ 27.3853, 19.5939,
27.1687

■ 29.8116, 23.4341,
31.0986

■ 32.6779, 28.0795,
35.4056

■ 36.0065, 33.5733,
40.1019

■ 39.8182, 39.9555,
45.1988

■ 44.1324, 47.2637,
50.7074

Harmonies

Analogous

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



19.1436, 11.2580, 32.7613



21.5506, 11.2580, 14.9471



20.4662, 11.2580, 4.7808

Triad

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



21.5506, 11.2580, 14.9471



7.6008, 11.2580, 0.7499



6.4537, 11.2580, 44.3283

Complementary

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



21.5506, 11.2580, 14.9471



18.5400, 33.2490, 16.2706

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.



4.6730, 11.2580, 25.0723



21.5506, 11.2580, 14.9471



5.1966, 11.2580, 2.8131

Square

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



21.5506, 11.2580, 14.9471



11.6022, 11.2580, 0.3863



4.2861, 11.2580, 9.9126



9.8466, 11.2580, 55.7822

Rectangle

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



21.5506, 11.2580, 14.9471



18.0274, 11.2580, 1.9360



4.2861, 11.2580, 9.9126



5.6887, 11.2580, 38.1067

Sweetspot

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



21.5509, 11.2586, 14.9473



58.9169, 50.9309, 63.9788



12.9787, 6.2061, 43.1616



12.6395, 10.6083, 13.5693



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.



21.5509, 11.2586, 14.9473



36.9928, 18.6433, 21.0307



19.1420, 10.2951, 2.2618



8.6813, 8.5792, 9.8199



14.6743, 7.3873, 8.7107



0.4908, 0.2441, 0.4272

Inverse Universe

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



21.5509, 11.2586, 14.9473



36.9928, 18.6433, 21.0307



23.8436, 35.3704, 44.1989



8.6813, 8.5792, 9.8199



14.6743, 7.3873, 8.7107



0.4908, 0.2441, 0.4272

Previews

White Background



This preview shows how the XYZ color 21.5506, 11.2580, 14.9471 looks on a white background.

Color Contrast Check

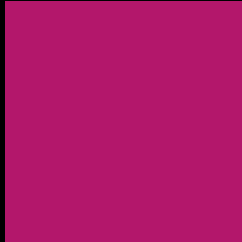
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.5506, 11.2580, 14.9471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

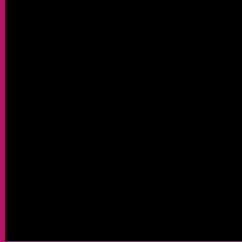
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.5506, 11.2580, 14.9471

Background



This preview shows how black text looks on a background with the XYZ color 21.5506, 11.2580, 14.9471.



This preview shows how white text looks on a background with the XYZ color 21.5506, 11.2580,

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

21.5506, 11.2580, 14.9471

Protanopia

12.4094, 11.7033, 30.4591

Deuteranopia

11.8081, 11.6324, 13.6795



Tritanopia

19.4150, 11.3975, 3.9730

Trichromacy



Original Color

21.5506, 11.2580, 14.9471

Protanomaly

13.1803, 9.3662, 23.6674

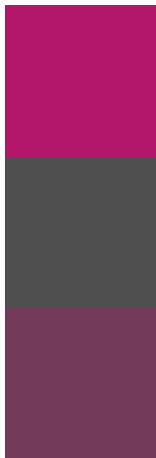
Deuteranomaly

13.8754, 9.9388, 14.0190

Tritanomaly

19.8988, 11.1630, 6.7361

Monochromacy



Original Color

21.5506, 11.2580, 14.9471

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

10.4374, 7.4940, 10.3476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5506, 11.2580, 14.9471 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(179, 23, 107)` looks like.

```
.text, #text, p{  
    color:rgb(179, 23, 107)  
}
```

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(179, 23, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 23, 107) }
```

Border

The CSS property to change the border of an element to XYZ 21.5506, 11.2580, 14.9471 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(179, 23, 107) }
```


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

```
.border{ border-color:rgb(179, 23, 107) }
```

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

Here you see how a box with a 4 pixel rgb(179, 23, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 23, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 23, 107);  
box-shadow:4px 4px 4px 4px rgb(179, 23,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5506, 11.2580, 14.9471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 23, 107) }
```

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

```
.background{ background-color: rgb(179, 23,  
107) }
```

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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