

Converting Colors

XYZ(21.5241, 11.8615, 8.9294)

Have a look what the booklet for
XYZ(21.5241, 11.8615, 8.9294)
contains.

XYZ(21.6445, 11.9231, 8.9452)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.6445, 11.9231,
8.9452)**

Conversions

Conversions Part 1

Format	Color
Hex	B72451
RGB	183, 36, 81
RGB Percent	72%, 14%, 32%
CMY	0.2824, 0.8588, 0.6824
CMYK	0.00, 0.80, 0.56, 0.28
HSL	342°, 67%, 43%
HSV	342°, 80%, 72%
XYZ	21.6445, 11.9231, 8.9452
YIQ	85.0830, 73.1670, 45.1590

Conversions

Conversions Part 2

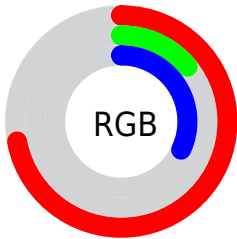
Format	Color
R_{YB}	183, 36, 81
Decimal	12002385
CIE _{Lab}	41.09, 59.24, 11.49
CIE _{LCh}	41, 60.344, 10.980
Yxy	11.9231, 0.5091, 0.2805
Android (android.graphics.Color)	4290192465 (0xFFB72451)
YUV	85.0830, -2.0129, 85.8732
Hunter-Lab	34.5298, 51.4628, 8.8114

Details

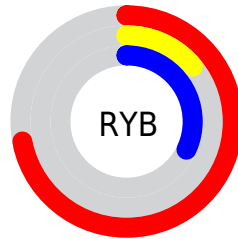
The XYZ color **21.6445, 11.9231, 8.9452** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **22.2496, 36.0774, 29.8400**, and the grayscale version is **8.6465, 9.0967, 9.9063**.

A 20% lighter version of the original color is **45.6122, 29.3942, 24.3887**, and **8.5023, 4.3445, 2.1407** is the 20% darker color. If you saturate the color by 10%, you get **20.7926, 10.9116, 6.5275**, and if you desaturate by 10%, it is **22.8690, 13.5375, 11.9267**.

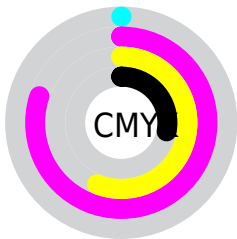
Distribution



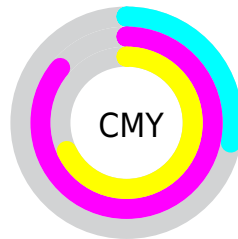
- Red (72%)
- Green (14%)
- Blue (32%)



- Red (72%)
- Yellow (14%)
- Blue (32%)



- Cyan (0%)
- Magenta (80%)
- Yellow (56%)
- Black (28%)





- Cyan (28%)
- Magenta (86%)
- Yellow (68%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6445, 11.9231, 8.9452 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 21.6445, 11.9231, 8.9452 by changing the saturation by 10% instead.


 21.6445, 11.9231,
8.9452


 21.6445, 11.9231,
8.9452


253.3515,
203.8955, 193.1716


 13.7111, 6.6913,
4.6091


 45.6410, 29.3550,
24.3677


 8.0003, 3.2698,
1.9651


 62.4347, 42.3239,
36.2912


 4.1470, 1.2742,
0.5337

 82.9126, 58.6406,
51.5809

 1.7856, 0.1211,
0.0000

 107.4399, 78.6895,
70.6553

 0.5090, 0.0000,
0.0000

 136.3822,
102.8551, 93.9331

 0.0000, 0.0000,
0.0000

 170.1046,

131.5217, 121.8327

208.9726,
165.0737, 154.7727

■ 21.6445, 11.9231,
8.9452

■ 21.6445, 11.9231,
8.9452

■ 20.7926, 10.9116,
6.5275

■ 22.8690, 13.5375,
11.9267

■ 20.2424, 10.3529,
4.6741

■ 24.5078, 15.8304,
15.5084

■ 26.5975, 18.8686,
19.7235

■ 29.1705, 22.7101,
24.6027

■ 32.2560, 27.4073,
30.1744

■ 35.8806, 33.0080,
36.4652

■ 40.0694, 39.5564,
43.5003

■ 44.8455, 47.0940,
51.3037

■ 50.2311, 55.6595,
59.8981

Harmonies

Analogous

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



21.1821, 11.9231, 22.4212



21.6445, 11.9231, 8.9452



18.8630, 11.9231, 2.7760

Triad

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



21.6445, 11.9231, 8.9452



6.6976, 11.9231, 2.0127



8.8270, 11.9231, 51.1622

Complementary

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



21.6445, 11.9231, 8.9452



22.2496, 36.0774, 29.8400

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.



6.1322, 11.9231, 35.7771



21.6445, 11.9231, 8.9452



5.1371, 11.9231, 6.6523

Square

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



21.6445, 11.9231, 8.9452



9.8178, 11.9231, 0.8118



4.9606, 11.9231, 18.0811



12.9956, 11.9231, 53.3545

Rectangle

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



21.6445, 11.9231, 8.9452



15.8769, 11.9231, 1.2964



4.9606, 11.9231, 18.0811



7.7504, 11.9231, 47.0509

Sweetspot

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



21.6448, 11.9238, 8.9454



61.4969, 54.8287, 60.5590



19.4056, 9.9537, 45.6980



13.0798, 11.3337, 12.4998



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.6448, 11.9238, 8.9454



36.4955, 18.8032, 9.1349



21.6222, 13.7452, 3.1835



9.1148, 9.0563, 9.9517



14.1488, 7.2333, 3.4046



0.5273, 0.2664, 0.2702

Inverse Universe

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



21.6448, 11.9238, 8.9454



36.4955, 18.8032, 9.1349



21.1723, 27.5885, 49.0087



9.1148, 9.0563, 9.9517



14.1488, 7.2333, 3.4046



0.5273, 0.2664, 0.2702

Previews

White Background



This preview shows how the XYZ color 21.6445, 11.9231, 8.9452 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 21.6445, 11.9231, 8.9452 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 21.6445, 11.9231, 8.9452

Background



This preview shows how black text looks on a background with the XYZ color 21.6445, 11.9231, 8.9452.



This preview shows how white text looks on a background with the XYZ color 21.6445, 11.9231,

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

21.6445, 11.9231, 8.9452

Protanopia

11.9678, 12.1839, 16.7599

Deuteranopia

12.3090, 12.1447, 8.1740



Tritanopia

20.4876, 11.8978, 3.8015

Trichromacy



Original Color

21.6445, 11.9231, 8.9452

Protanomaly

13.7184, 10.5414, 13.3683

Deuteranomaly

14.5373, 10.8764, 8.3543

Tritanomaly

20.9088, 11.9168, 5.3358

Monochromacy



Original Color

21.6445, 11.9231, 8.9452

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

11.4925, 8.7194, 9.4648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6445, 11.9231, 8.9452 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(183, 36, 81)` looks like.

```
.text, #text, p{  
    color:rgb(183, 36, 81)  
}
```

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(183, 36, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 36, 81) }
```

Border

The CSS property to change the border of an element to XYZ 21.6445, 11.9231, 8.9452 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(183, 36, 81) }
```


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

```
.border{ border-color:rgb(183, 36, 81) }
```

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

Here you see how a box with a 4 pixel rgb(183, 36, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 36, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 36, 81);  
box-shadow:4px 4px 4px 4px rgb(183, 36,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6445, 11.9231, 8.9452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 36, 81) }
```

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

```
.background{ background-color: rgb(183, 36,  
81) }
```

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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