

Converting Colors

XYZ(20.4006, 8.7437, 17.3711)

Have a look what the booklet for
XYZ(20.4006, 8.7437, 17.3711)
contains.

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Color

**XYZ(21.3423, 10.6315,
17.7568)**

Conversions

Conversions Part 1

Format	Color
Hex	B10075
RGB	177, 0, 117
RGB Percent	69%, 0%, 46%
CMY	0.3059, 0.9999, 0.5412
CMYK	0.00, 1.00, 0.34, 0.31
HSL	320°, 100%, 35%
HSV	320°, 100%, 69%
XYZ	21.3423, 10.6315, 17.7568
YIQ	66.2610, 67.9350, 73.9110

Conversions

Conversions Part 2

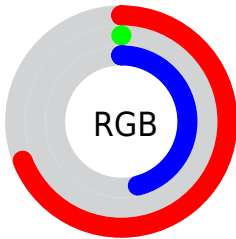
Format	Color
R_YB	177, 0, 117
Decimal	11599989
CIE _{Lab}	38.95, 67.04, -14.52
CIE _{LCh}	39, 68.595, 347.777
Yxy	10.6315, 0.4292, 0.2138
Android (android.graphics.Color)	4289790069 (0xFFB10075)
YUV	66.2610, 25.0143, 97.1181
Hunter-Lab	32.6060, 59.7770, -9.4644

Details

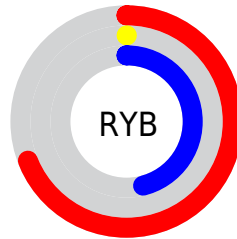
The XYZ color **21.3423, 10.6315, 17.7568** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **16.5389, 31.7709, 9.5398**, and the grayscale version is **5.1765, 5.4460, 5.9307**.

A 20% lighter version of the original color is **45.1038, 26.9037, 40.3518**, and **8.6819, 4.3516, 6.0126** is the 20% darker color. If you saturate the color by 10%, you get **21.3417, 10.6312, 17.7537**, and if you desaturate by 10%, it is **21.9186, 11.2011, 19.7460**.

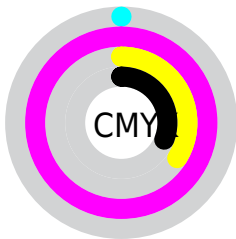
Distribution



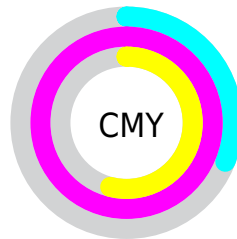
- Red (69%)
- Green (0%)
- Blue (46%)



- Red (69%)
- Yellow (0%)
- Blue (46%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)
- Black (31%)





- Cyan (31%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3423, 10.6315, 17.7568 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 21.3423, 10.6315, 17.7568 by changing the saturation by 10% instead.


 21.3423, 10.6315,
17.7568


 21.3423, 10.6315,
17.7568


251.7895,
195.1217, 251.6866


 13.4883, 5.8196,
10.6079


 45.1435, 26.9767,
40.4308

 7.8450, 2.7357,
5.6930


 61.8215, 39.2788,
56.7930


 4.0469, 0.9954,
2.5936

 82.1715, 54.8465,
77.0633

 1.7287, 0.0000,
0.8891

 106.5589, 74.0641,
101.6604

 0.4741, 0.0000,
0.0000

 135.3490, 97.3160,
131.0027

 0.0000, 0.0000,
0.0000

 168.9073,

124.9866, 165.5088

207.5990,
157.4604, 205.5973

■ 21.3423, 10.6315,
17.7568

■ 21.3423, 10.6315,
17.7568

■ 21.3417, 10.6312,
17.7537

■ 21.9186, 11.2011,
19.7460

■ 22.7078, 12.1597,
21.9198

■ 23.7838, 13.6545,
24.3048

■ 25.1819, 15.7552,
26.9147

■ 26.9317, 18.5206,
29.7612

■ 29.0595, 22.0028,
32.8550

■ 31.5889, 26.2483,
36.2056

■ 34.5417, 31.3001,
39.8221

■ 37.9379, 37.1977,
43.7129

Harmonies

Analogous

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



18.0998, 10.6315, 38.0258



21.3423, 10.6315, 17.7568



20.9820, 10.6315, 5.4715

Triad

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



21.3423, 10.6315, 17.7568



7.6546, 10.6315, 0.1287



5.2789, 10.6315, 41.9604

Complementary

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



21.3423, 10.6315, 17.7568



16.5389, 31.7709, 9.5398

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.



3.8386, 10.6315, 21.0737



21.3423, 10.6315, 17.7568



4.8984, 10.6315, 1.5671

Square

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



21.3423, 10.6315, 17.7568



12.0799, 10.6315, 0.0084



3.7243, 10.6315, 7.0269



8.3578, 10.6315, 57.6355

Rectangle

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



21.3423, 10.6315, 17.7568



18.7533, 10.6315, 1.9950



3.7243, 10.6315, 7.0269



4.6331, 10.6315, 34.8181

Sweetspot

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



21.3426, 10.6321, 17.7570



56.3164, 46.5718, 64.5137



9.7409, 4.1054, 41.8739



11.7854, 9.3856, 13.4368



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.3426, 10.6321, 17.7570



38.1150, 18.9973, 31.2309



18.3601, 9.4391, 2.0510



8.7251, 8.5968, 10.0510



15.4921, 7.7144, 13.0171



0.5134, 0.2531, 0.5462

Inverse Universe

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



21.3426, 10.6321, 17.7570



38.1150, 18.9973, 31.2309



21.0286, 33.5668, 33.1826



8.7251, 8.5968, 10.0510



15.4921, 7.7144, 13.0171



0.5134, 0.2531, 0.5462

Previews

White Background



This preview shows how the XYZ color 21.3423, 10.6315, 17.7568 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 21.3423, 10.6315, 17.7568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

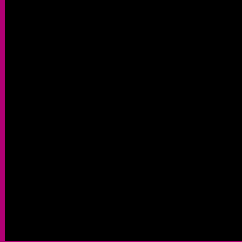
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3423, 10.6315, 17.7568

Background



This preview shows how black text looks on a background with the XYZ color 21.3423, 10.6315, 17.7568.



This preview shows how white text looks on a background with the XYZ color 21.3423, 10.6315,

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

21.3423, 10.6315, 17.7568

Protanopia

12.6657, 11.4050, 38.0930

Deuteranopia

11.5172, 11.2998, 16.0421



Tritanopia

18.7441, 11.0516, 3.9416

Trichromacy



Original Color

21.3423, 10.6315, 17.7568



Protanomaly

12.5823, 8.1814, 29.3498



Deuteranomaly

13.0928, 8.7334, 16.3249



Tritanomaly

19.0975, 10.3584, 7.2962

Monochromacy



Original Color

21.3423, 10.6315, 17.7568



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.4115, 5.3760, 9.1887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3423, 10.6315, 17.7568 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(177, 0, 117)` looks like.

```
.text, #text, p{  
    color:rgb(177, 0, 117)  
}
```

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(177, 0, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 0, 117) }
```

Border

The CSS property to change the border of an element to XYZ 21.3423, 10.6315, 17.7568 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(177, 0, 117) }
```


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

```
.border{ border-color:rgb(177, 0, 117) }
```

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

Here you see how a box with a 4 pixel rgb(177, 0, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(177, 0,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3423, 10.6315, 17.7568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 0, 117) }
```

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

```
.background{ background-color: rgb(177, 0,  
117) }
```

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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