

Converting Colors

XYZ(21.1493, 10.4795, 36.2217)

Have a look what the booklet for
XYZ(21.1493, 10.4795, 36.2217)
contains.

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Color

**XYZ(21.0343, 10.4152,
36.0237)**

Conversions

Conversions Part 1

Format	Color
Hex	9E13A4
RGB	158, 19, 164
RGB Percent	62%, 7%, 64%
CMY	0.3804, 0.9255, 0.3569
CMYK	0.04, 0.88, 0.00, 0.36
HSL	298°, 79%, 36%
HSV	298°, 88%, 64%
XYZ	21.0343, 10.4152, 36.0237
YIQ	77.0910, 36.2990, 74.5630

Conversions

Conversions Part 2

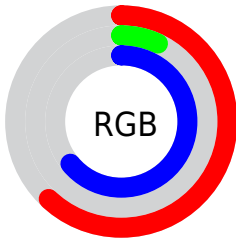
Format	Color
RYB	158, 19, 164
Decimal	10359716
CIELab	38.58, 67.19, -44.23
CIElCh	39, 80.438, 326.644
Yxy	10.4152, 0.3117, 0.1544
Android (android.graphics.Color)	4288549796 (0xFF9E13A4)
YUV	77.0910, 42.8461, 70.9572
Hunter-Lab	32.2726, 59.8639, -43.5906

Details

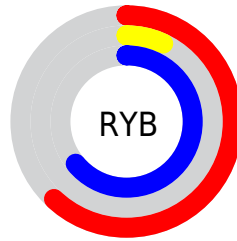
The XYZ color **21.0343, 10.4152, 36.0237** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.7943, 26.8049, 5.0634**, and the grayscale version is **6.9903, 7.3543, 8.0088**.

A 20% lighter version of the original color is **44.6454, 26.5826, 70.4880**, and **8.3487, 3.9725, 15.3657** is the 20% darker color. If you saturate the color by 10%, you get **20.6969, 9.9376, 35.9494**, and if you desaturate by 10%, it is **21.5487, 11.2449, 36.1569**.

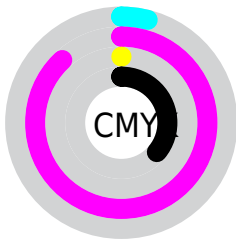
Distribution



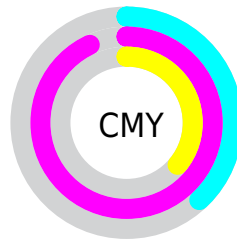
- Red (62%)
- Green (7%)
- Blue (64%)



- Red (62%)
- Yellow (7%)
- Blue (64%)



- Cyan (4%)
- Magenta (88%)
- Yellow (0%)
- Black (36%)





- Cyan (38%)
- Magenta (93%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0343, 10.4152, 36.0237 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 21.0343, 10.4152, 36.0237 by changing the saturation by 10% instead.

 21.0343, 10.4152,
36.0237


 21.0343, 10.4152,
36.0237


250.1890,
193.6103, 344.1047


 13.2617, 5.6751,
24.1627


 44.6355, 26.5736,
70.2381


 7.6872, 2.6485,
15.2410


 61.1947, 38.7606,
93.4285

 3.9456, 0.9511,
8.8402


 81.4135, 54.1988,
121.2325

 1.6714, 0.0000,
4.5417

 105.6573, 73.2725,
154.0686

 0.4383, 0.0000,
1.9270

 134.2914, 96.3661,
192.3553

 0.0000, 0.0000,
0.5098

 167.6811,

 0.0000, 0.0000,

123.8640, 236.5112

0.0000

206.1919,
156.1506, 286.9548

■ 21.0343, 10.4152,
36.0237

■ 21.0343, 10.4152,
36.0237

■ 20.6969, 9.9376,
35.9494

■ 21.5487, 11.2449,
36.1569

■ 20.6475, 9.8701,
35.9390

■ 22.2897, 12.5270,
36.3653

■ 23.2853, 14.3175,
36.6584

■ 24.5595, 16.6637,
37.0441

■ 26.1330, 19.6078,
37.5295

■ 28.0251, 23.1877,
38.1207

■ 30.2531, 27.4384,
38.8238

■ 32.8332, 32.3922,
39.6440

■ 35.7805, 38.0793,
40.5863

Harmonies

Analogous

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



15.1872, 10.4152, 62.2526



21.0343, 10.4152, 36.0237



23.8905, 10.4152, 13.1292

Triad

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



21.0343, 10.4152, 36.0237



10.5057, 10.4152, 0.0000



3.3144, 10.4152, 30.0207

Complementary

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



21.0343, 10.4152, 36.0237



13.7943, 26.8049, 5.0634

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.



2.8287, 10.4152, 9.7219



21.0343, 10.4152, 36.0237



6.0081, 10.4152, 0.0000

Square

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



21.0343, 10.4152, 36.0237



16.5981, 10.4152, 0.0000



3.6093, 10.4152, 1.6882



5.2999, 10.4152, 57.1043

Rectangle

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



21.0343, 10.4152, 36.0237



23.1638, 10.4152, 4.8835



3.6093, 10.4152, 1.6882



3.0094, 10.4152, 21.8764

Sweetspot

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



21.0347, 10.4157, 36.0239



51.2089, 42.7336, 69.3017



7.3448, 3.5692, 35.4240



10.9365, 8.8509, 15.0695



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.0347, 10.4157, 36.0239



37.4332, 17.8924, 65.2330



17.7834, 9.2548, 12.5921



7.3352, 7.1872, 8.9037



15.8415, 7.5731, 27.5566



0.3411, 0.1634, 0.5794

Inverse Universe

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



15.7185, 8.4289, 1.7187



27.8385, 14.3457, 1.5562



15.1546, 27.3337, 12.9173



7.0851, 7.0905, 7.4345



11.7718, 6.0648, 0.7229



0.2507, 0.1288, 0.0329

Previews

White Background



This preview shows how the XYZ color 21.0343, 10.4152, 36.0237 looks on a white background.

Color Contrast Check

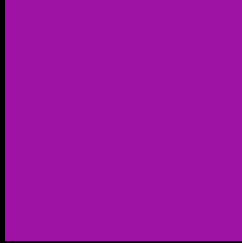
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0343, 10.4152, 36.0237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

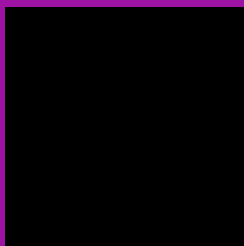
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.0343, 10.4152, 36.0237

Background



This preview shows how black text looks on a background with the XYZ color 21.0343, 10.4152, 36.0237.



This preview shows how white text looks on a background with the XYZ color 21.0343, 10.4152,

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

21.0343, 10.4152, 36.0237

Protanopia

12.7577, 10.8189, 49.5600

Deuteranopia

11.0625, 10.8399, 32.0811



Tritanopia

15.1182, 10.5544, 7.2016

Trichromacy



Original Color

21.0343, 10.4152, 36.0237



Protanomaly

11.7590, 7.8319, 44.0720



Deuteranomaly

12.2396, 8.4889, 33.3412



Tritanomaly

16.4106, 9.7959, 14.3905

Monochromacy



Original Color

21.0343, 10.4152, 36.0237



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

10.1183, 6.9966, 15.2852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0343, 10.4152, 36.0237 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(158, 19, 164)` looks like.

```
.text, #text, p{  
    color:rgb(158, 19, 164)  
}
```

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(158, 19, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 19, 164) }
```

Border

The CSS property to change the border of an element to XYZ 21.0343, 10.4152, 36.0237 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(158, 19, 164) }
```


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

```
.border{ border-color:rgb(158, 19, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 19, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 19, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 19, 164);  
box-shadow:4px 4px 4px 4px rgb(158, 19,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0343, 10.4152, 36.0237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 19, 164) }
```

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

```
.background{ background-color: rgb(158, 19,  
164) }
```

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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