

Converting Colors

XYZ(20.1596, 10.3769, 30.3613)

Have a look what the booklet for
XYZ(20.1596, 10.3769, 30.3613)
contains.

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Color

**XYZ(20.1017, 10.3340,
30.2133)**

Conversions

Conversions Part 1

Format	Color
Hex	9E1C97
RGB	158, 28, 151
RGB Percent	62%, 11%, 59%
CMY	0.3804, 0.8902, 0.4078
CMYK	0.00, 0.82, 0.04, 0.38
HSL	303°, 70%, 36%
HSV	303°, 82%, 62%
XYZ	20.1017, 10.3340, 30.2133
YIQ	80.8920, 37.9970, 65.8130

Conversions

Conversions Part 2

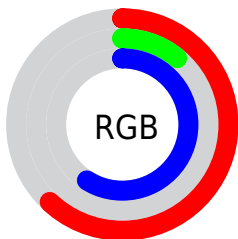
Format	Color
RYB	158, 28, 151
Decimal	10362007
CIELab	38.44, 63.26, -36.60
CIElCh	38, 73.085, 329.952
Yxy	10.3340, 0.3314, 0.1704
Android (android.graphics.Color)	4288552087 (0xFF9E1C97)
YUV	80.8920, 34.5632, 67.6237
Hunter-Lab	32.1465, 55.3622, -33.2218

Details

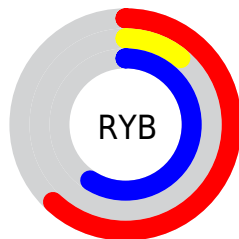
The XYZ color **20.1017, 10.3340, 30.2133** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.0096, 24.8224, 5.6964**, and the grayscale version is **7.7296, 8.1321, 8.8559**.

A 20% lighter version of the original color is **43.2006, 26.5373, 61.2378**, and **7.7316, 3.7256, 12.1160** is the 20% darker color. If you saturate the color by 10%, you get **19.7518, 9.7440, 29.7570**, and if you desaturate by 10%, it is **20.6496, 11.3185, 30.7382**.

Distribution



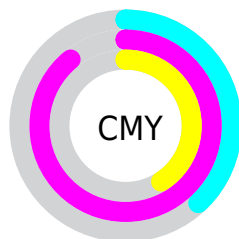
- Red (62%)
- Green (11%)
- Blue (59%)



- Red (62%)
- Yellow (11%)
- Blue (59%)



- Cyan (0%)
- Magenta (82%)
- Yellow (4%)
- Black (38%)



- Cyan (38%)
- Magenta (89%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1017, 10.3340, 30.2133 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 20.1017, 10.3340, 30.2133 by changing the saturation by 10% instead.

20.1017, 10.3340,
30.2133

20.1017, 10.3340,
30.2133

245.2882,
193.0395, 317.1356

12.5777, 5.6210,
19.7471

43.0903, 26.4219,
61.0643

7.2134, 2.6160,
12.0291

59.2855, 38.5655,
82.2862

3.6434, 0.9347,
6.6407

79.1019, 53.9547,
107.9305

1.5024, 0.0000,
3.1634

102.9048, 72.9740,
138.4156

0.3275, 0.0000,
1.1787

131.0595, 96.0078,
174.1602

0.0000, 0.0000,
0.0000

163.9314,

123.4403, 215.5826

201.8859,
155.6561, 263.1016

■ 20.1017, 10.3340,
30.2133

■ 20.1017, 10.3340,
30.2133

■ 19.7518, 9.7440,
29.7570

■ 20.6496, 11.3185,
30.7382

■ 19.5649, 9.4548,
29.4339

■ 21.4213, 12.7502,
31.3401

■ 22.4402, 14.6753,
32.0269

■ 23.7261, 17.1338,
32.8051

■ 25.2972, 20.1617,
33.6809

■ 27.1698, 23.7918,
34.6596

■ 29.3590, 28.0544,
35.7465

■ 31.8790, 32.9779,
36.9460

■ 34.7432, 38.5887,
38.2628

Harmonies

Analogous

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



15.1543, 10.3340, 52.8504



20.1017, 10.3340, 30.2133



22.1563, 10.3340, 11.2739

Triad

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



20.1017, 10.3340, 30.2133



9.8298, 10.3340, 0.0000



3.8228, 10.3340, 30.1399

Complementary

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



20.1017, 10.3340, 30.2133



13.0096, 24.8224, 5.6964

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.



3.2059, 10.3340, 11.2300



20.1017, 10.3340, 30.2133



5.9153, 10.3340, 0.2058

Square

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



20.1017, 10.3340, 30.2133



15.1721, 10.3340, 0.2101



3.8269, 10.3340, 2.5550



5.9059, 10.3340, 52.7889

Rectangle

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



20.1017, 10.3340, 30.2133



21.2222, 10.3340, 4.4546



3.8269, 10.3340, 2.5550



3.4742, 10.3340, 22.8164

Sweetspot

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



20.1021, 10.3345, 30.2135



48.1848, 40.9628, 62.3487



7.2637, 3.6484, 32.6695



10.6089, 8.7420, 13.9236



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.1021, 10.3345, 30.2135



35.5402, 17.2100, 53.3978



16.2163, 8.7802, 9.7513



6.8887, 6.7484, 8.2651



15.6740, 7.5742, 23.5980



0.2845, 0.1371, 0.4441

Inverse Universe

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



20.1021, 10.3345, 30.2135



35.5402, 17.2100, 53.3978



14.9825, 25.6115, 16.0851



6.8887, 6.7484, 8.2651



15.6740, 7.5742, 23.5980



0.2845, 0.1371, 0.4441

Previews

White Background



This preview shows how the XYZ color 20.1017, 10.3340, 30.2133 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

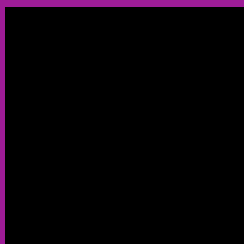
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.1017, 10.3340, 30.2133

Background



This preview shows how black text looks on a background with the XYZ color 20.1017, 10.3340, 30.2133.



This preview shows how white text looks on a background with the XYZ color 20.1017, 10.3340,

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

20.1017, 10.3340, 30.2133

Protanopia

12.6495, 10.7756, 48.9902

Deuteranopia

10.9564, 10.7655, 27.0917



Tritanopia

15.2712, 10.4737, 6.6856

Trichromacy



Original Color

20.1017, 10.3340, 30.2133



Protanomaly

11.4324, 7.9793, 41.4950



Deuteranomaly

12.3845, 8.9532, 27.8635



Tritanomaly

16.3373, 9.9249, 12.6099

Monochromacy



Original Color

20.1017, 10.3340, 30.2133



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

10.6308, 7.7371, 14.5688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1017, 10.3340, 30.2133 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, 28, 151)` looks like.

```
.text, #text, p{  
  color:rgb(158, 28, 151)  
}
```

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, 28, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 28, 151) }
```

Border

The CSS property to change the border of an element to XYZ 20.1017, 10.3340, 30.2133 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, 28, 151) }
```


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

```
.border{ border-color:rgb(158, 28, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 28, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 28, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 28, 151);  
box-shadow:4px 4px 4px 4px rgb(158, 28,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1017, 10.3340, 30.2133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 28, 151) }
```

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

```
.background{ background-color: rgb(158, 28,  
151) }
```

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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