

Converting Colors

XYZ(21.3293, 10.4046, 27.7042)

Have a look what the booklet for
XYZ(21.3293, 10.4046, 27.7042)
contains.

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Color

**XYZ(21.2593, 10.3692,
27.6690)**

Conversions

Conversions Part 1

Format	Color
Hex	A80091
RGB	168, 0, 145
RGB Percent	66%, 0%, 57%
CMY	0.3412, 0.9999, 0.4314
CMYK	0.00, 1.00, 0.14, 0.34
HSL	308°, 100%, 33%
HSV	308°, 100%, 66%
XYZ	21.2593, 10.3692, 27.6690
YIQ	66.7620, 53.5830, 80.7110

Conversions

Conversions Part 2

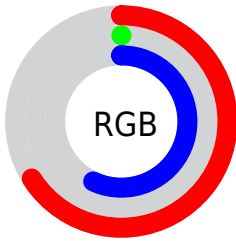
Format	Color
R_{YB}	168, 0, 145
Decimal	11010193
CIE _{Lab}	38.50, 68.61, -32.72
CIE _{LCh}	38, 76.012, 334.504
Yxy	10.3692, 0.3585, 0.1749
Android (android.graphics.Color)	4289200273 (0xFFA80091)
YUV	66.7620, 38.5713, 88.7857
Hunter-Lab	32.2012, 61.4937, -28.4042

Details

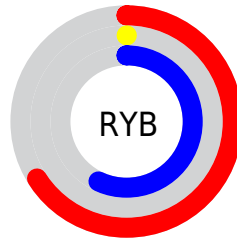
The XYZ color **21.2593, 10.3692, 27.6690** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.1579, 28.0676, 5.4832**, and the grayscale version is **5.2350, 5.5076, 5.9978**.

A 20% lighter version of the original color is **45.0046, 26.4890, 56.7737**, and **8.5759, 4.1877, 10.9460** is the 20% darker color. If you saturate the color by 10%, you get **21.2592, 10.3691, 27.6679**, and if you desaturate by 10%, it is **21.6364, 10.8363, 28.6788**.

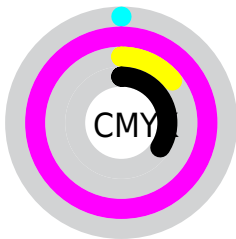
Distribution



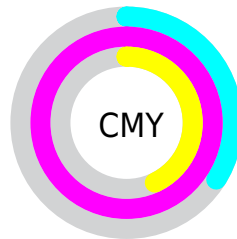
- Red (66%)
- Green (0%)
- Blue (57%)



- Red (66%)
- Yellow (0%)
- Blue (57%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (34%)





- Cyan (34%)
- Magenta (100%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2593, 10.3692, 27.6690 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 21.2593, 10.3692, 27.6690 by changing the saturation by 10% instead.


 21.2593, 10.3692,
27.6690


 21.2593, 10.3692,
27.6690


251.3591,
193.2872, 304.7439


 13.4272, 5.6444,
17.8394


 45.0067, 26.4877,
56.9723


 7.8024, 2.6301,
10.6665


 61.6528, 38.6501,
77.2831


 4.0195, 0.9418,
5.7317

 81.9675, 54.0606,
101.9247

 1.7132, 0.0000,
2.6165

 106.3163, 73.1035,
131.3156

 0.4645, 0.0000,
0.9010

 135.0645, 96.1632,
165.8745

 0.0000, 0.0000,
0.0000

 168.5774,

123.6241, 206.0198

207.2205,
155.8707, 252.1701

■ 21.2593, 10.3692,
27.6690

■ 21.2593, 10.3692,
27.6690

■ 21.2592, 10.3691,
27.6679

■ 21.6364, 10.8363,
28.6788

■ 22.1828, 11.6367,
29.7629

■ 22.9667, 12.9062,
30.9440

■ 24.0185, 14.7055,
32.2325

■ 25.3640, 17.0864,
33.6370

■ 27.0259, 20.0942,
35.1652

■ 29.0248, 23.7699,
36.8240

■ 31.3793, 28.1510,
38.6198

■ 34.1068, 33.2722,
40.5584

Harmonies

Analogous

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



16.3294, 10.3692, 52.2701



21.2593, 10.3692, 27.6690



22.8014, 10.3692, 9.2725

Triad

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



21.2593, 10.3692, 27.6690



9.1233, 10.3692, 0.0000



3.8867, 10.3692, 35.0109

Complementary

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



21.2593, 10.3692, 27.6690



14.1579, 28.0676, 5.4832

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.



3.0636, 10.3692, 13.5815



21.2593, 10.3692, 27.6690



5.3687, 10.3692, 0.2610

Square

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



21.2593, 10.3692, 27.6690



14.5743, 10.3692, 0.0000



3.4966, 10.3692, 3.1261



6.2843, 10.3692, 58.4775

Rectangle

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



21.2593, 10.3692, 27.6690



21.3765, 10.3692, 3.3124



3.4966, 10.3692, 3.1261



3.4616, 10.3692, 26.8944

Sweetspot

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



21.2597, 10.3697, 27.6692



52.4479, 42.7241, 66.6458



7.4084, 3.0030, 37.2353



11.0993, 8.6994, 14.2562



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.2597, 10.3697, 27.6692



38.5187, 18.7926, 49.8964



17.0078, 8.6690, 5.2790



7.7971, 7.6487, 9.2486



16.0679, 7.8359, 20.9667



0.4027, 0.1953, 0.5720

Inverse Universe

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



21.2597, 10.3697, 27.6692



38.5187, 18.7926, 49.8964



16.6259, 29.0548, 18.4792



7.7971, 7.6487, 9.2486



16.0679, 7.8359, 20.9667



0.4027, 0.1953, 0.5720

Previews

White Background



This preview shows how the XYZ color 21.2593, 10.3692, 27.6690 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

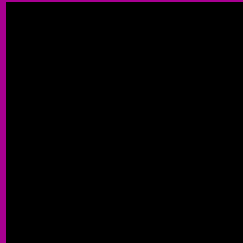
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2593, 10.3692, 27.6690

Background



This preview shows how black text looks on a background with the XYZ color 21.2593, 10.3692, 27.6690.



This preview shows how white text looks on a background with the XYZ color 21.2593, 10.3692,

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

21.2593, 10.3692, 27.6690

Protanopia

13.0601, 11.0739, 50.7394

Deuteranopia

11.3388, 11.1428, 24.8457



Tritanopia

16.7759, 10.7261, 5.4611

Trichromacy



Original Color

21.2593, 10.3692, 27.6690



Protanomaly

11.0276, 6.9743, 40.8094



Deuteranomaly

12.5308, 8.2432, 25.3567



Tritanomaly

17.6235, 9.8036, 10.8610

Monochromacy



Original Color

21.2593, 10.3692, 27.6690



Achromatopsia

5.3350, 5.6128, 6.1124



Achromatomaly

8.6384, 5.4970, 11.4322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2593, 10.3692, 27.6690 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(168, 0, 145)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 145)  
}
```

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(168, 0, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 145) }
```

Border

The CSS property to change the border of an element to XYZ 21.2593, 10.3692, 27.6690 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(168, 0, 145) }
```


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

```
.border{ border-color:rgb(168, 0, 145) }
```

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

Here you see how a box with a 4 pixel rgb(168, 0, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 145);  
box-shadow:4px 4px 4px 4px rgb(168, 0,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2593, 10.3692, 27.6690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 0, 145) }
```

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

```
.background{ background-color: rgb(168, 0,  
145) }
```

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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