

Converting Colors

XYZ(20.3857, 11.3937, 33.0232)

Have a look what the booklet for
XYZ(20.3857, 11.3937, 33.0232)
contains.

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Color

**XYZ(20.2796, 11.3205,
33.0145)**

Conversions

Conversions Part 1

Format	Color
Hex	99309D
RGB	153, 48, 157
RGB Percent	60%, 19%, 62%
CMY	0.4000, 0.8117, 0.3843
CMYK	0.03, 0.69, 0.00, 0.38
HSL	298°, 53%, 40%
HSV	298°, 69%, 62%
XYZ	20.2796, 11.3205, 33.0145
YIQ	91.8210, 27.5910, 56.1590

Conversions

Conversions Part 2

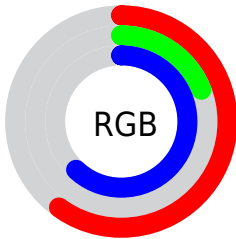
Format	Color
R _Y B	153, 48, 157
Decimal	10039453
CIE Lab	40.12, 56.90, -37.61
CIE LCh	40, 68.207, 326.534
Yxy	11.3205, 0.3139, 0.1752
Android (android.graphics.Color)	4288229533 (0xFF99309D)
YUV	91.8210, 32.1332, 53.6540
Hunter-Lab	33.6460, 48.7078, -34.6251

Details

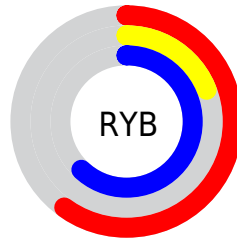
The XYZ color **20.2796, 11.3205, 33.0145** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **14.0070, 25.0577, 6.8952**, and the grayscale version is **10.0562, 10.5799, 11.5215**.

A 20% lighter version of the original color is **43.3123, 28.1556, 65.4391**, and **7.5868, 3.6166, 13.6628** is the 20% darker color. If you saturate the color by 10%, you get **19.6392, 10.2003, 32.8322**, and if you desaturate by 10%, it is **21.1487, 12.8965, 33.2730**.

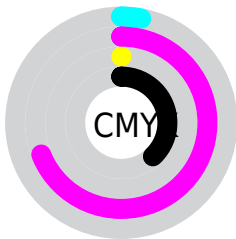
Distribution



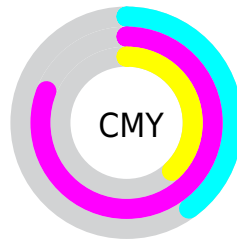
- Red (60%)
- Green (19%)
- Blue (62%)



- Red (60%)
- Yellow (19%)
- Blue (62%)



- Cyan (3%)
- Magenta (69%)
- Yellow (0%)
- Black (38%)



- Cyan (40%)
- Magenta (81%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2796, 11.3205, 33.0145 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 20.2796, 11.3205, 33.0145 by changing the saturation by 10% instead.

■ 20.2796, 11.3205,
33.0145

■ 20.2796, 11.3205,
33.0145

246.2296,
199.8534, 330.3491

■ 12.7079, 6.2828,
21.8663

■ 43.3858, 28.2513,
65.5144

■ 7.3033, 3.0178,
13.5613

■ 59.6511, 40.9133,
87.7033

■ 3.7005, 1.1410,
7.6810

■ 79.5449, 56.8854,
114.4095

■ 1.5341, 0.0127,
3.8067

■ 103.4326, 76.5522,
146.0515

■ 0.3489, 0.0000,
1.5199

■ 131.6795,
100.2980, 183.0480

■ 0.0000, 0.0000,
0.2327

■ 164.6511,

■ 0.0000, 0.0000,

128.5072, 225.8173

0.0000

202.7127,
161.5642, 274.7782

■ 20.2796, 11.3205,
33.0145

■ 20.2796, 11.3205,
33.0145

■ 19.6392, 10.2003,
32.8322

■ 21.1487, 12.8965,
33.2730

■ 19.2008, 9.4839,
32.7170

■ 22.2667, 14.9699,
33.6143

■ 18.9089, 9.0594,
32.6505

■ 23.6531, 17.5794,
34.0449

■ 18.8929, 9.0366,
32.6469

■ 25.3252, 20.7594,
34.5706

■ 27.2987, 24.5415,
35.1966

■ 29.5883, 28.9549,
35.9278

■ 32.2076, 34.0270,
36.7688

■ 35.1695, 39.7835,
37.7238

■ 38.4861, 46.2487,
38.7969

Harmonies

Analogous

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



15.3599, 11.3205, 53.4525



20.2796, 11.3205, 33.0145



22.6431, 11.3205, 13.9703

Triad

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



20.2796, 11.3205, 33.0145



11.3196, 11.3205, 0.0756



4.4978, 11.3205, 28.0245

Complementary

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



20.2796, 11.3205, 33.0145



14.0070, 25.0577, 6.8952

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.



3.9914, 11.3205, 10.8162



20.2796, 11.3205, 33.0145



7.1842, 11.3205, 0.5692

Square

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



20.2796, 11.3205, 33.0145



16.6003, 11.3205, 0.8575



4.8126, 11.3205, 2.8149



6.4804, 11.3205, 49.3698

Rectangle

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



20.2796, 11.3205, 33.0145



22.0575, 11.3205, 6.2962



4.8126, 11.3205, 2.8149



4.1800, 11.3205, 21.3328

Sweetspot

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



20.2800, 11.3210, 33.0147



48.1451, 42.5217, 62.7967



8.5989, 5.6506, 32.5359



10.3913, 8.9678, 13.7536



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.2800, 11.3210, 33.0147



34.7234, 17.5198, 58.6783



17.6661, 10.3641, 15.2434



6.8801, 6.7422, 8.3454



15.3514, 7.3430, 26.5155



0.2811, 0.1347, 0.4744

Inverse Universe

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



15.5817, 9.5304, 4.2675



25.8919, 14.1800, 3.4604



15.4363, 25.6066, 15.4511



6.6424, 6.6499, 6.9682



11.3218, 5.8333, 0.6797



0.2050, 0.1053, 0.0256

Previews

White Background



This preview shows how the XYZ color 20.2796, 11.3205, 33.0145 looks on a white background.

Color Contrast Check

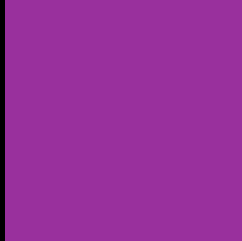
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2796, 11.3205, 33.0145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

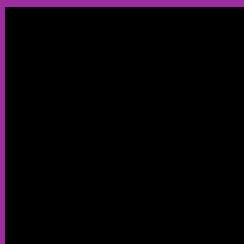
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.2796, 11.3205, 33.0145

Background



This preview shows how black text looks on a background with the XYZ color 20.2796, 11.3205, 33.0145.



This preview shows how white text looks on a background with the XYZ color 20.2796, 11.3205,

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

20.2796, 11.3205, 33.0145

Protanopia

13.7910, 11.6398, 53.7444

Deuteranopia

11.7638, 11.5126, 30.0359



Tritanopia

15.3617, 11.3914, 8.7862

Trichromacy



Original Color

20.2796, 11.3205, 33.0145



Protanomaly

12.6588, 9.3870, 45.4007



Deuteranomaly

13.4289, 10.3124, 30.9885



Tritanomaly

16.5768, 11.0452, 15.1682

Monochromacy



Original Color

20.2796, 11.3205, 33.0145



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

12.6763, 10.0072, 17.7865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2796, 11.3205, 33.0145 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(153, 48, 157)` looks like.

```
.text, #text, p{  
    color:rgb(153, 48, 157)  
}
```

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(153, 48, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 48, 157) }
```

Border

The CSS property to change the border of an element to XYZ 20.2796, 11.3205, 33.0145 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(153, 48, 157) }
```


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

```
.border{ border-color:rgb(153, 48, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 48, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 48, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 48, 157);  
box-shadow:4px 4px 4px 4px rgb(153, 48,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2796, 11.3205, 33.0145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 48, 157) }
```

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

```
.background{ background-color: rgb(153, 48,  
157) }
```

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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