

Converting Colors

XYZ(22.3673, 13.1332, 51.3391)

Have a look what the booklet for
XYZ(22.3673, 13.1332, 51.3391)
contains.

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Color

**XYZ(22.3323, 13.1353,
51.2275)**

Conversions

Conversions Part 1

Format	Color
Hex	8D40C0
RGB	141, 64, 192
RGB Percent	55%, 25%, 75%
CMY	0.4471, 0.7490, 0.2471
CMYK	0.27, 0.67, 0.00, 0.25
HSL	276°, 50%, 50%
HSV	276°, 67%, 75%
XYZ	22.3323, 13.1353, 51.2275
YIQ	101.6150, 4.8040, 56.1320

Conversions

Conversions Part 2

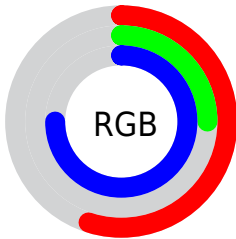
Format	Color
R_{YB}	141, 64, 192
Decimal	9257152
CIE _{Lab}	42.97, 54.37, -53.89
CIE _{LCh}	43, 76.548, 315.255
Yxy	13.1353, 0.2576, 0.1515
Android (android.graphics.Color)	4287447232 (0xFF8D40C0)
YUV	101.6150, 44.5598, 34.5406
Hunter-Lab	36.2427, 46.5650, -58.4341

Details

The XYZ color **22.3323, 13.1353, 51.2275** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **26.8456, 41.7146, 11.4877**, and the grayscale version is **12.4166, 13.0632, 14.2258**.

A 20% lighter version of the original color is **46.7489, 31.5679, 93.2518**, and **8.4361, 3.8351, 24.3404** is the 20% darker color. If you saturate the color by 10%, you get **20.1739, 10.6828, 50.8681**, and if you desaturate by 10%, it is **24.9543, 16.3803, 51.7159**.

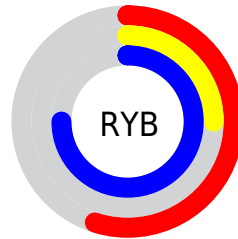
Distribution



Red (55%)

Green (25%)

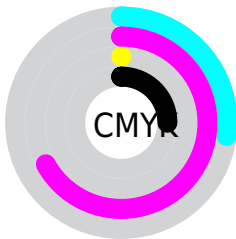
Blue (75%)



Red (55%)

Yellow (25%)

Blue (75%)

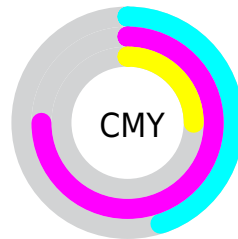


Cyan (27%)

Magenta (67%)

Yellow (0%)

Black (25%)



Cyan (45%)

Magenta (75%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3323, 13.1353, 51.2275 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 22.3323, 13.1353, 51.2275 by changing the saturation by 10% instead.

■ 22.3323, 13.1353,
51.2275

■ 22.3323, 13.1353,
51.2275

256.8766,
211.7830, 408.3188

■ 14.2192, 7.5218,
36.0117

■ 46.7694, 31.5466,
93.4059

■ 8.3560, 3.7905,
24.1535

■ 63.8241, 45.1133,
121.2056

■ 4.3773, 1.5571,
15.2343

■ 84.5901, 62.0997,
154.0370

■ 1.9177, 0.3284,
8.8355

■ 109.4327, 82.8903,
192.3187

■ 0.5871, 0.0000,
4.5387

■ 138.7174,
107.8696, 236.4692

■ 0.0000, 0.0000,
1.9253

172.8093,

■ 0.0000, 0.0000,

137.4219, 286.9070

0.5088

212.0739,
171.9315, 344.0507

■ 0.0000, 0.0000,
0.0000

■ 22.3323, 13.1353,
51.2275

■ 22.3323, 13.1353,
51.2275

■ 20.1739, 10.6828,
50.8681

■ 24.9543, 16.3803,
51.7159

■ 18.4355, 8.9401,
50.6234

■ 28.0743, 20.4860,
52.3439

■ 17.0623, 7.8000,
50.4757

■ 31.7252, 25.5149,
53.1222

■ 16.6508, 7.4847,
50.4365

■ 35.9363, 31.5231,
54.0599

■ 40.7344, 38.5621,
55.1657

■ 46.1447, 46.6798,
56.4474

■ 52.1907, 55.9209,
57.9125

■ 58.8947, 66.3276,
59.5678

■ 66.2777, 77.9400,
61.4201

Harmonies

Analogous

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



15.6940, 13.1353, 73.5916



22.3323, 13.1353, 51.2275



26.8791, 13.1353, 24.2011

Triad

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



22.3323, 13.1353, 51.2275



15.5815, 13.1353, 0.0037



4.4578, 13.1353, 24.5970

Complementary

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



22.3323, 13.1353, 51.2275



26.8456, 41.7146, 11.4877

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.



4.4448, 13.1353, 7.5546



22.3323, 13.1353, 51.2275



9.7458, 13.1353, 0.0160

Square

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



22.3323, 13.1353, 51.2275



22.2280, 13.1353, 1.4402



6.0646, 13.1353, 1.4846



6.1085, 13.1353, 51.7042

Rectangle

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



22.3323, 13.1353, 51.2275



27.4231, 13.1353, 11.5428



6.0646, 13.1353, 1.4846



4.2839, 13.1353, 17.4694

Sweetspot

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



22.3329, 13.1358, 51.2278



70.5042, 64.9881, 99.1883



17.7828, 17.2034, 52.2528



14.5976, 13.1678, 21.1576



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



22.3329, 13.1358, 51.2278



35.0101, 17.7488, 91.9409



31.7289, 18.1364, 44.5827



10.0964, 10.0409, 12.6908



11.2939, 5.0826, 33.9424



0.5639, 0.2588, 1.4701

Inverse Universe

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



26.6665, 16.1114, 17.9243



44.5330, 24.1869, 23.3120



22.2968, 39.3226, 13.3995



10.2357, 10.1429, 11.3318



15.5531, 7.9110, 5.5589



0.7060, 0.3554, 0.4192

Previews

White Background



This preview shows how the XYZ color 22.3323, 13.1353, 51.2275 looks on a white background.

Color Contrast Check

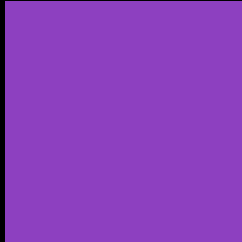
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3323, 13.1353, 51.2275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

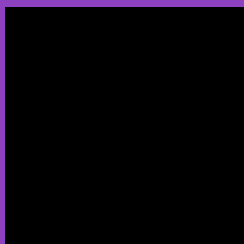
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.3323, 13.1353, 51.2275

Background



This preview shows how black text looks on a background with the XYZ color 22.3323, 13.1353, 51.2275.



This preview shows how white text looks on a background with the XYZ color 22.3323, 13.1353,

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

22.3323, 13.1353, 51.2275

Protanopia

15.7528, 13.2894, 61.4094

Deuteranopia

13.6020, 13.3613, 47.2095



Tritanopia

14.6720, 13.1088, 13.8135

Trichromacy



Original Color

22.3323, 13.1353, 51.2275



Protanomaly

15.3537, 11.6237, 57.3115



Deuteranomaly

13.9073, 11.4364, 48.4882



Tritanomaly

16.6110, 12.5533, 23.7378

Monochromacy



Original Color

22.3323, 13.1353, 51.2275



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

15.0654, 12.4417, 24.5291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3323, 13.1353, 51.2275 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(141, 64, 192)` looks like.

```
.text, #text, p{  
    color:rgb(141, 64, 192)  
}
```

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(141, 64, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 64, 192) }
```

Border

The CSS property to change the border of an element to XYZ 22.3323, 13.1353, 51.2275 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(141, 64, 192) }
```


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

```
.border{ border-color:rgb(141, 64, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 64, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 64, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 64, 192);  
box-shadow:4px 4px 4px 4px rgb(141, 64,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3323, 13.1353, 51.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 64, 192) }
```

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

```
.background{ background-color: rgb(141, 64,  
192) }
```

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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