

Converting Colors

XYZ(22.2956, 13.1097, 34.9119)

Have a look what the booklet for
XYZ(22.2956, 13.1097, 34.9119)
contains.

XYZ(22.2951, 13.0721, 35.0663)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.2951, 13.0721,
35.0663)**

Conversions

Conversions Part 1

Format	Color
Hex	9F3BA1
RGB	159, 59, 161
RGB Percent	62%, 23%, 63%
CMY	0.3765, 0.7686, 0.3686
CMYK	0.01, 0.63, 0.00, 0.37
HSL	299°, 46%, 43%
HSV	299°, 63%, 63%
XYZ	22.2951, 13.0721, 35.0663
YIQ	100.5280, 26.8580, 52.9220

Conversions

Conversions Part 2

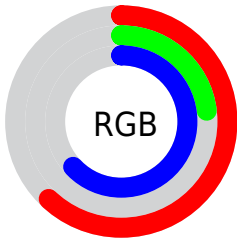
Format	Color
R_{YB}	159, 59, 161
Decimal	10435489
CIE _{Lab}	42.87, 54.60, -35.59
CIE _{LCh}	43, 65.177, 326.906
Yxy	13.0721, 0.3165, 0.1856
Android (android.graphics.Color)	4288625569 (0xFF9F3BA1)
YUV	100.5280, 29.8127, 51.2799
Hunter-Lab	36.1554, 46.7996, -32.1953

Details

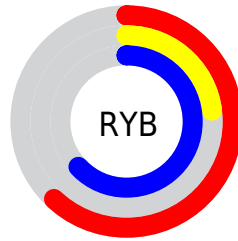
The XYZ color **22.2951, 13.0721, 35.0663** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.4592, 26.7979, 8.4960**, and the grayscale version is **12.1699, 12.8037, 13.9432**.

A 20% lighter version of the original color is **46.6187, 31.3671, 68.5631**, and **8.4692, 4.0472, 14.8028** is the 20% darker color. If you saturate the color by 10%, you get **21.5293, 11.6329, 34.8290**, and if you desaturate by 10%, it is **23.3172, 15.0230, 35.3892**.

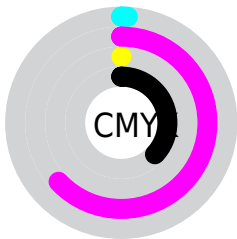
Distribution



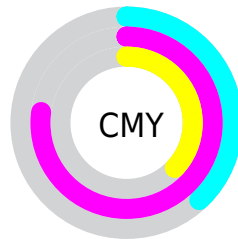
- Red (62%)
- Green (23%)
- Blue (63%)



- Red (62%)
- Yellow (23%)
- Blue (63%)



- Cyan (1%)
- Magenta (63%)
- Yellow (0%)
- Black (37%)





- Cyan (38%)
- Magenta (77%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.2951, 13.0721, 35.0663 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 22.2951, 13.0721, 35.0663 by changing the saturation by 10% instead.


 22.2951, 13.0721,
35.0663


 22.2951, 13.0721,
35.0663


256.6870,
211.3792, 339.7740

 14.1917, 7.4782,
23.4300


 46.7085, 31.4333,
68.7412

 8.3367, 3.7629,
14.7031


 63.7492, 44.9693,
91.6169


 4.3648, 1.5419,
8.4669


 84.4997, 61.9215,
119.0761

 1.9105, 0.3179,
4.3031

 109.3254, 82.6744,
151.5374

 0.5829, 0.0000,
1.7931

 138.5916,
107.6121, 189.4192

 0.0000, 0.0000,
0.4234

172.6637,

 0.0000, 0.0000,

137.1193, 233.1403

0.0000

211.9071,
171.5802, 283.1190

■ 22.2951, 13.0721,
35.0663

■ 22.2951, 13.0721,
35.0663

■ 21.5293, 11.6329,
34.8290

■ 23.3172, 15.0230,
35.3892

■ 20.9940, 10.6549,
34.6685

■ 24.6155, 17.5262,
35.8039

■ 20.6607, 10.0805,
34.5752

■ 26.2094, 20.6205,
36.3172

■ 20.5031, 9.8266,
34.5345

■ 28.1163, 24.3406,
36.9347

■ 30.3522, 28.7184,
37.6619

■ 32.9320, 33.7839,
38.5036

■ 35.8698, 39.5650,
39.4647

■ 39.1788, 46.0882,
40.5494

■ 42.8714, 53.3786,
41.7619

Harmonies

Analogous

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



17.2802, 13.0721, 55.3567



22.2951, 13.0721, 35.0663



24.6460, 13.0721, 15.7648

Triad

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



22.2951, 13.0721, 35.0663



12.9485, 13.0721, 0.6176



5.6934, 13.0721, 30.5960

Complementary

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



22.2951, 13.0721, 35.0663



15.4592, 26.7979, 8.4960

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.



5.1070, 13.0721, 12.8043



22.2951, 13.0721, 35.0663



8.5762, 13.0721, 1.1112

Square

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



22.2951, 13.0721, 35.0663



18.4194, 13.0721, 1.4039



6.0060, 13.0721, 3.8979



7.8961, 13.0721, 51.7773

Rectangle

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



22.2951, 13.0721, 35.0663



24.0201, 13.0721, 7.6560



6.0060, 13.0721, 3.8979



5.3313, 13.0721, 23.7886

Sweetspot

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



22.2956, 13.0727, 35.0666



51.8810, 46.5791, 66.6428



9.9817, 6.9926, 34.5420



11.1505, 9.7698, 14.5417



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.



22.2956, 13.0727, 35.0666



38.1190, 20.0251, 62.2427



19.2656, 11.9069, 17.0247



7.3505, 7.1951, 8.9044



16.3794, 7.8504, 27.5818



0.3482, 0.1670, 0.5797

Inverse Universe

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



17.1046, 11.0425, 5.6453



28.1208, 16.1267, 5.0349



17.1818, 27.4730, 18.1978



7.0791, 7.0881, 7.4032



11.7544, 6.0578, 0.6316



0.2486, 0.1279, 0.0216

Previews

White Background



This preview shows how the XYZ color 22.2951, 13.0721, 35.0663 looks on a white background.

Color Contrast Check

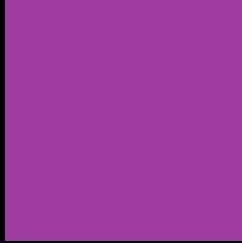
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2951, 13.0721, 35.0663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

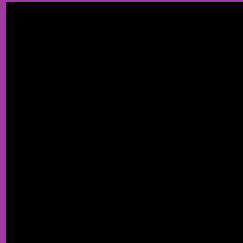
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 22.2951, 13.0721, 35.0663

Background



This preview shows how black text looks on a background with the XYZ color 22.2951, 13.0721, 35.0663.



This preview shows how white text looks on a background with the XYZ color 22.2951, 13.0721,

35.0663.

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

22.2951, 13.0721, 35.0663

Protanopia

15.6511, 13.5145, 55.2097

Deuteranopia

13.5470, 13.2182, 32.4092



Tritanopia

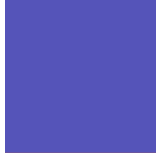
17.2404, 13.0570, 10.6284

Trichromacy



Original Color

22.2951, 13.0721, 35.0663



Protanomaly

15.6736, 11.7747, 47.3456



Deuteranomaly

15.4770, 12.2157, 33.4404



Tritanomaly

18.5567, 12.7523, 17.4030

Monochromacy



Original Color

22.2951, 13.0721, 35.0663



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

14.9290, 12.2232, 20.3114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2951, 13.0721, 35.0663 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(159, 59, 161)` looks like.

```
.text, #text, p{  
    color:rgb(159, 59, 161)  
}
```

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(159, 59, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 59, 161) }
```

Border

The CSS property to change the border of an element to XYZ 22.2951, 13.0721, 35.0663 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(159, 59, 161) }
```


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

```
.border{ border-color:rgb(159, 59, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 59, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 59, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 59, 161); box-shadow:4px 4px 4px 4px rgb(159, 59, 161) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2951, 13.0721, 35.0663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 59, 161) }
```

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

```
.background{ background-color: rgb(159, 59,  
161) }
```

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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