

Converting Colors

XYZ(23.2297, 13.0058, 20.4384)

Have a look what the booklet for
XYZ(23.2297, 13.0058, 20.4384)
contains.

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Color

**XYZ(23.2055, 12.9929,
20.3536)**

Conversions

Conversions Part 1

Format	Color
Hex	B32E7C
RGB	179, 46, 124
RGB Percent	70%, 18%, 49%
CMY	0.2980, 0.8196, 0.5137
CMYK	0.00, 0.74, 0.31, 0.30
HSL	325°, 59%, 44%
HSV	325°, 74%, 70%
XYZ	23.2055, 12.9929, 20.3536
YIQ	94.6590, 54.2300, 52.4540

Conversions

Conversions Part 2

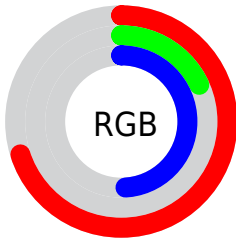
Format	Color
RYB	179, 46, 124
Decimal	11742844
CIELab	42.75, 59.26, -13.06
CIELCh	43, 60.681, 347.573
Yxy	12.9929, 0.4103, 0.2298
Android (android.graphics.Color)	4289932924 (0xFFB32E7C)
YUV	94.6590, 14.4651, 73.9671
Hunter-Lab	36.0457, 51.8349, -8.2468

Details

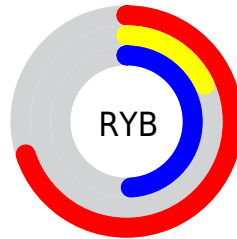
The XYZ color **23.2055, 12.9929, 20.3536** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **19.5966, 33.7611, 17.7976**, and the grayscale version is **10.7541, 11.3142, 12.3211**.

A 20% lighter version of the original color is **48.1460, 31.2521, 45.0897**, and **9.2960, 4.6456, 7.0633** is the 20% darker color. If you saturate the color by 10%, you get **22.1956, 11.6943, 17.7932**, and if you desaturate by 10%, it is **24.5428, 14.8898, 23.1967**.

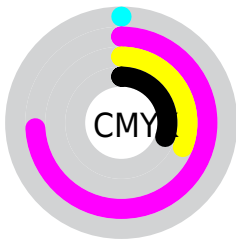
Distribution



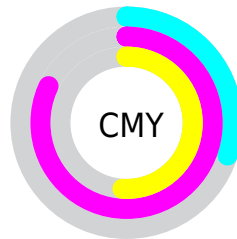
- Red (70%)
- Green (18%)
- Blue (49%)



- Red (70%)
- Yellow (18%)
- Blue (49%)



- Cyan (0%)
- Magenta (74%)
- Yellow (31%)
- Black (30%)




- Cyan (30%)
- Magenta (82%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2055, 12.9929, 20.3536 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 23.2055, 12.9929, 20.3536 by changing the saturation by 10% instead.


 23.2055, 12.9929,
20.3536


 23.2055, 12.9929,
20.3536


261.2944,
210.8722, 266.4903


 14.8668, 7.4237,
12.4657


 48.1947, 31.2910,
44.8760


 8.8117, 3.7284,
6.9353


 65.5760, 44.7887,
62.3475


 4.6747, 1.5228,
3.3438

 86.7022, 61.6980,
83.8507

 2.0905, 0.3047,
1.2728

 111.9387, 82.4032,
109.8041

 0.6840, 0.0000,
0.0393

 141.6508,
107.2889, 140.6262

 0.0000, 0.0000,
0.0000

 176.2038,

136.7393, 176.7356

215.9633,
171.1390, 218.5507

■ 23.2055, 12.9929,
20.3536

■ 23.2055, 12.9929,
20.3536

■ 22.1956, 11.6943,
17.7932

■ 24.5428, 14.8898,
23.1967

■ 21.4721, 10.9137,
15.4979

■ 26.2393, 17.4478,
26.3365

■ 21.1389, 10.6031,
14.2899

■ 28.3242, 20.7240,
29.7865

■ 30.8232, 24.7686,
33.5586

■ 33.7597, 29.6275,
37.6639

■ 37.1554, 35.3427,
42.1131

■ 41.0302, 41.9535,
46.9158

■ 45.4032, 49.4967,
52.0817

■ 50.2922, 58.0069,
57.6196

Harmonies

Analogous

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



20.1293, 12.9929, 39.1648



23.2055, 12.9929, 20.3536



22.8928, 12.9929, 7.7756

Triad

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



23.2055, 12.9929, 20.3536



9.8583, 12.9929, 1.1163



7.2763, 12.9929, 42.4344

Complementary

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



23.2055, 12.9929, 20.3536



19.5966, 33.7611, 17.7976

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.



5.6724, 12.9929, 23.2952



23.2055, 12.9929, 20.3536



6.8873, 12.9929, 2.9930

Square

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



23.2055, 12.9929, 20.3536



14.3599, 12.9929, 1.0111



5.5505, 12.9929, 9.3510



10.5359, 12.9929, 56.3321

Rectangle

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



23.2055, 12.9929, 20.3536



20.8060, 12.9929, 3.6176



5.5505, 12.9929, 9.3510



6.5651, 12.9929, 36.0022

Sweetspot

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



23.2059, 12.9936, 20.3538



61.5687, 54.9115, 68.9409



14.2820, 7.8735, 43.4150



13.3024, 11.6006, 14.8185



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.2059, 12.9936, 20.3538



38.8922, 19.9774, 29.2622



20.3652, 11.8573, 5.3949



8.6984, 8.5861, 9.9101



14.9707, 7.5058, 10.2715



0.4992, 0.2474, 0.4717

Inverse Universe

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



23.2059, 12.9936, 20.3538



38.8922, 19.9774, 29.2622



24.1028, 35.5636, 41.5269



8.6984, 8.5861, 9.9101



14.9707, 7.5058, 10.2715



0.4992, 0.2474, 0.4717

Previews

White Background



This preview shows how the XYZ color 23.2055, 12.9929, 20.3536 looks on a white background.

Color Contrast Check

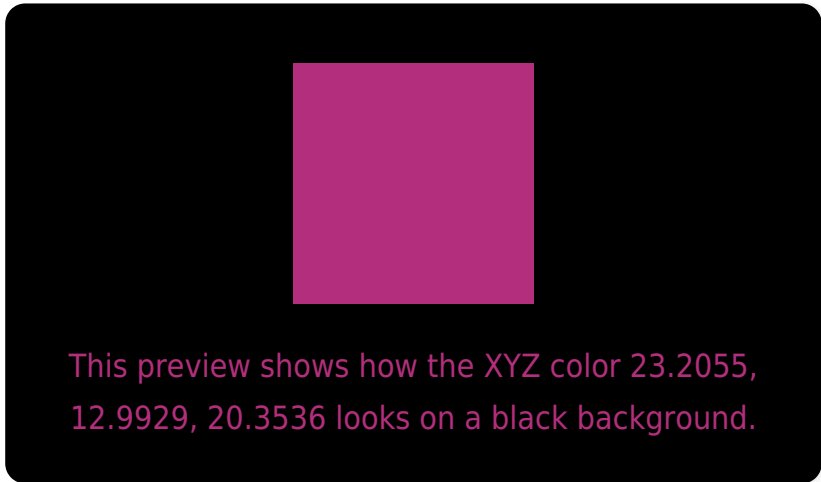
Large Text (above 18pt) WCAG AA ✓ Pass

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

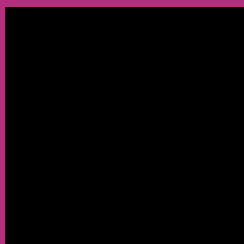
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.2055, 12.9929, 20.3536

Background



This preview shows how black text looks on a background with the XYZ color 23.2055, 12.9929, 20.3536.



This preview shows how white text looks on a background with the XYZ color 23.2055, 12.9929,

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

23.2055, 12.9929, 20.3536

Protanopia

14.3099, 13.3784, 36.4784

Deuteranopia

13.4984, 13.2113, 18.6682



Tritanopia

20.4698, 13.0742, 6.7549

Trichromacy



Original Color

23.2055, 12.9929, 20.3536

Protanomaly

15.3637, 11.5521, 29.8538

Deuteranomaly

15.7745, 11.9989, 19.2539

Tritanomaly

21.1291, 12.8609, 10.6013

Monochromacy



Original Color

23.2055, 12.9929, 20.3536

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

13.8596, 10.7840, 14.9867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2055, 12.9929, 20.3536 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(179, 46, 124)` looks like.

```
.text, #text, p{  
    color:rgb(179, 46, 124)  
}
```

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(179, 46, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 46, 124) }
```

Border

The CSS property to change the border of an element to XYZ 23.2055, 12.9929, 20.3536 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(179, 46, 124) }
```


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

```
.border{ border-color:rgb(179, 46, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 46, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 46, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 46, 124);  
box-shadow:4px 4px 4px 4px rgb(179, 46,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2055, 12.9929, 20.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 46, 124) }
```

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

```
.background{ background-color: rgb(179, 46,  
124) }
```

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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