

Converting Colors

XYZ(19.9306, 11.0353, 5.1055)

Have a look what the booklet for
XYZ(19.9306, 11.0353, 5.1055)
contains.

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Color

**XYZ(19.9262, 11.0332,
5.0824)**

Conversions

Conversions Part 1

Format	Color
Hex	B3223A
RGB	179, 34, 58
RGB Percent	70%, 13%, 23%
CMY	0.2980, 0.8666, 0.7725
CMYK	0.00, 0.81, 0.68, 0.30
HSL	350°, 68%, 42%
HSV	350°, 81%, 70%
XYZ	19.9262, 11.0332, 5.0824
YIQ	80.0910, 78.7160, 38.2040

Conversions

Conversions Part 2

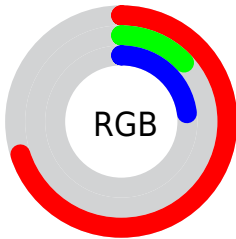
Format	Color
R _Y B	179, 34, 58
Decimal	11739706
CIE Lab	39.64, 57.22, 23.91
CIE LCh	40, 62.013, 22.682
Yxy	11.0332, 0.5529, 0.3061
Android (android.graphics.Color)	4289929786 (0xFFB3223A)
YUV	80.0910, -10.8909, 86.7432
Hunter-Lab	33.2163, 48.9524, 14.1795

Details

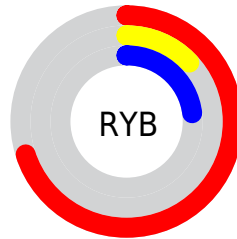
The XYZ color **19.9262, 11.0332, 5.0824** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **22.6974, 34.9473, 36.5641**, and the grayscale version is **7.6534, 8.0520, 8.7686**.

A 20% lighter version of the original color is **42.8281, 27.7261, 16.4590**, and **7.7089, 3.9624, 0.8888** is the 20% darker color. If you saturate the color by 10%, you get **19.2145, 10.1324, 3.2345**, and if you desaturate by 10%, it is **21.0150, 12.5120, 7.6001**.

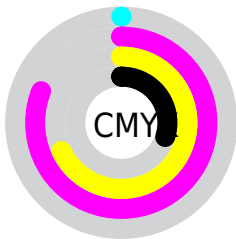
Distribution



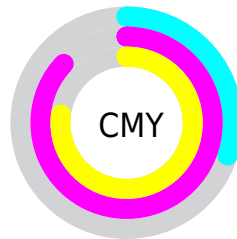
- Red (70%)
- Green (13%)
- Blue (23%)



- Red (70%)
- Yellow (13%)
- Blue (23%)



- Cyan (0%)
- Magenta (81%)
- Yellow (68%)
- Black (30%)



- Cyan (30%)
- Magenta (87%)
- Yellow (77%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9262, 11.0332, 5.0824 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 19.9262, 11.0332, 5.0824 by changing the saturation by 10% instead.

■ 19.9262, 11.0332,
5.0824

■ 19.9262, 11.0332,
5.0824

244.3565,
197.8952, 159.5882

■ 12.4494, 6.0892,
2.2361

■ 42.7983, 27.7215,
16.4378

■ 7.1249, 2.8994,
0.6951

■ 58.9243, 40.2346,
25.7840

■ 3.5873, 1.0794,
0.0000

■ 78.6640, 56.0396,
38.1339

■ 1.4714, 0.0000,
0.0000

■ 102.3829, 75.5207,
53.9061

■ 0.3063, 0.0000,
0.0000

■ 130.4462, 99.0624,
73.5191

■ 0.0000, 0.0000,
0.0000

■ 163.2193,

127.0492, 97.3914

201.0676,
159.8653, 125.9416

■ 19.9262, 11.0332,
5.0824

■ 19.9262, 11.0332,
5.0824

■ 19.2145, 10.1324,
3.2345

■ 21.0150, 12.5120,
7.6001

■ 18.8199, 9.6755,
2.0784

■ 22.5251, 14.6429,
10.8450

■ 24.4953, 17.4913,
14.8686

■ 26.9598, 21.1139,
19.7173

■ 29.9493, 25.5616,
25.4343

■ 33.4920, 30.8813,
32.0592

■ 37.6143, 37.1159,
39.6296

■ 42.3406, 44.3059,
48.1806

■ 47.6942, 52.4891,
57.7458

Harmonies

Analogous

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



20.8024, 11.0332, 15.2320



19.9262, 11.0332, 5.0824



16.2322, 11.0332, 1.3779

Triad

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



19.9262, 11.0332, 5.0824



5.2562, 11.0332, 2.7011



9.4843, 11.0332, 53.1077

Complementary

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



19.9262, 11.0332, 5.0824



22.6974, 34.9473, 36.5641

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.



6.2876, 11.0332, 41.7019



19.9262, 11.0332, 5.0824



4.3103, 11.0332, 9.2833

Square

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



19.9262, 11.0332, 5.0824



7.6520, 11.0332, 0.7775



4.6291, 11.0332, 23.4238



13.9471, 11.0332, 48.8823

Rectangle

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



19.9262, 11.0332, 5.0824



13.0996, 11.0332, 0.6387



4.6291, 11.0332, 23.4238



8.2467, 11.0332, 50.8079

Sweetspot

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



19.9265, 11.0339, 5.0826



57.7081, 51.8824, 53.1893



22.1949, 11.3516, 43.6690



12.2909, 10.7524, 10.8593



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.



19.9265, 11.0339, 5.0826



33.8290, 17.4987, 3.9976



21.9223, 15.7853, 3.4056



8.5518, 8.5275, 9.1384



13.3158, 6.8439, 1.5568



0.4365, 0.2223, 0.1411

Inverse Universe

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



19.9265, 11.0339, 5.0826



33.8290, 17.4987, 3.9976



16.8688, 19.7391, 45.5687



8.5518, 8.5275, 9.1384



13.3158, 6.8439, 1.5568



0.4365, 0.2223, 0.1411

Previews

White Background



This preview shows how the XYZ color 19.9262, 11.0332, 5.0824 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 19.9262, 11.0332, 5.0824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

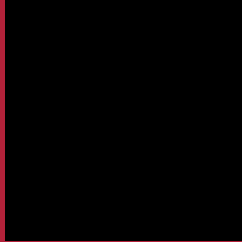
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9262, 11.0332, 5.0824

Background



This preview shows how black text looks on a background with the XYZ color 19.9262, 11.0332, 5.0824.



This preview shows how white text looks on a background with the XYZ color 19.9262, 11.0332,

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

19.9262, 11.0332, 5.0824

Protanopia

10.6335, 11.2521, 9.3960

Deuteranopia

11.4343, 11.2556, 4.5875



Tritanopia

19.4194, 10.9977, 3.0187

Trichromacy



Original Color

19.9262, 11.0332, 5.0824

Protanomaly

12.4221, 9.7050, 7.5219

Deuteranomaly

13.4802, 10.1263, 4.6123

Tritanomaly

19.5148, 10.9854, 3.6766

Monochromacy



Original Color

19.9262, 11.0332, 5.0824

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

10.1497, 7.7359, 7.0891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9262, 11.0332, 5.0824 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, 34, 58)` looks like.

```
.text, #text, p{  
    color:rgb(179, 34, 58)  
}
```

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, 34, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 34, 58) }
```

Border

The CSS property to change the border of an element to XYZ 19.9262, 11.0332, 5.0824 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, 34, 58) }
```


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

```
.border{ border-color:rgb(179, 34, 58) }
```

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

Here you see how a box with a 4 pixel rgb(179, 34, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 34, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 34, 58);  
box-shadow:4px 4px 4px 4px rgb(179, 34,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9262, 11.0332, 5.0824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 34, 58) }
```

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

```
.background{ background-color: rgb(179, 34,  
58) }
```

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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