

Converting Colors

XYZ(20.0751, 23.4119, 11.2603)

Have a look what the booklet for
XYZ(20.0751, 23.4119, 11.2603)
contains.

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Color

**XYZ(20.1037, 23.4719,
11.2555)**

Conversions

Conversions Part 1

Format	Color
Hex	858951
RGB	133, 137, 81
RGB Percent	52%, 54%, 32%
CMY	0.4784, 0.4627, 0.6823
CMYK	0.03, 0.00, 0.41, 0.46
HSL	64°, 26%, 43%
HSV	64°, 41%, 54%
XYZ	20.1037, 23.4719, 11.2555
YIQ	129.4200, 15.5920, -18.2640

Conversions

Conversions Part 2

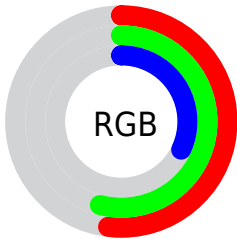
Format	Color
RYB	81, 137, 85
Decimal	8751441
CIELab	55.56, -10.52, 29.51
CIELCh	56, 31.326, 109.621
Yxy	23.4719, 0.3666, 0.4281
Android (android.graphics.Color)	4286941521 (0xFF858951)
YUV	129.4200, -23.8711, 3.1397
Hunter-Lab	48.4478, -10.7140, 20.1391

Details

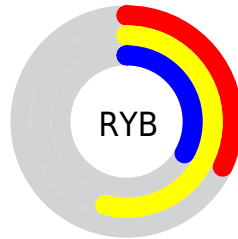
The XYZ color **20.1037, 23.4719, 11.2555** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.2049, 9.6228, 24.9351**, and the grayscale version is **21.0915, 22.1899, 24.1648**.

A 20% lighter version of the original color is **43.0037, 49.0304, 28.6700**, and **7.1766, 8.7257, 2.8194** is the 20% darker color. If you saturate the color by 10%, you get **19.4873, 23.2084, 8.8102**, and if you desaturate by 10%, it is **20.8264, 23.7798, 14.2478**.

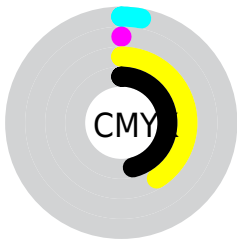
Distribution



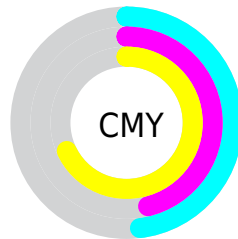
- Red (52%)
- Green (54%)
- Blue (32%)



- Red (32%)
- Yellow (54%)
- Blue (33%)



- Cyan (3%)
- Magenta (0%)
- Yellow (41%)
- Black (46%)



- Cyan (48%)
- Magenta (46%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1037, 23.4719, 11.2555 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 20.1037, 23.4719, 11.2555 by changing the saturation by 10% instead.

■ 20.1037, 23.4719,
11.2555

■ 20.1037, 23.4719,
11.2555

245.2988,
270.1396, 210.2121

■ 12.5791, 14.9423,
6.1226

■ 43.0936, 49.1670,
28.7755

■ 7.2144, 8.7789,
2.8498

■ 59.2896, 67.1014,
41.9997

■ 3.6441, 4.5973,
1.0185

■ 79.1069, 88.9395,
58.7581

■ 1.5028, 2.0130,
0.0000

■ 102.9107,
115.0657, 79.4693

■ 0.3277, 0.6150,
0.0000

■ 131.0665,
145.8644, 104.5517

■ 0.0000, 0.0000,
0.0000

163.9395,

181.7200, 134.4240

201.8952,
223.0170, 169.5046

■ 20.1037, 23.4719,
11.2555

■ 20.1037, 23.4719,
11.2555

■ 19.4873, 23.2084,
8.8102

■ 20.8264, 23.7798,
14.2478

■ 18.9691, 22.9835,
6.8775

■ 21.6594, 24.1311,
17.8160

■ 18.5429, 22.7955,
5.4213

■ 22.6087, 24.5291,
21.9886

■ 18.2006, 22.6414,
4.4000

■ 23.6791, 24.9757,
26.7919

■ 17.9332, 22.5173,
3.7652

■ 24.8755, 25.4728,
32.2505

■ 17.7298, 22.4204,
3.3931

■ 26.2021, 26.0223,
38.3878

■ 27.6633, 26.6257,
45.2260

■ 29.2631, 27.2848,
52.7863

■ 31.0054, 28.0010,
61.0890

Harmonies

Analogous

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



23.5566, 23.4719, 10.7921



20.1037, 23.4719, 11.2555



17.5214, 23.4719, 14.9056

Triad

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



20.1037, 23.4719, 11.2555



18.1889, 23.4719, 43.4406



29.6860, 23.4719, 29.2272

Complementary

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



20.1037, 23.4719, 11.2555



11.2049, 9.6228, 24.9351

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.



27.8986, 23.4719, 40.3576



20.1037, 23.4719, 11.2555



21.1069, 23.4719, 49.8874

Square

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



20.1037, 23.4719, 11.2555



16.4994, 23.4719, 32.6673



24.6707, 23.4719, 48.6301



29.3444, 23.4719, 19.5613

Rectangle

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



20.1037, 23.4719, 11.2555



16.5246, 23.4719, 19.3593



24.6707, 23.4719, 48.6301



29.3075, 23.4719, 32.9534

Sweetspot

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



20.1043, 23.4730, 11.2560



40.2370, 43.8206, 38.2716



15.0300, 12.3681, 9.3800



8.9825, 9.8110, 8.3962



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.1043, 23.4730, 11.2560



34.9775, 41.5947, 16.0905



16.2888, 21.5060, 11.0774



5.3964, 5.8271, 5.3927



16.5185, 20.8856, 3.1607



0.1146, 0.1413, 0.0212

Inverse Universe

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



11.2049, 9.6228, 24.9351



16.7908, 13.2799, 44.0615



14.2343, 11.1845, 25.0768



4.8056, 4.9082, 6.2999



4.3247, 1.7436, 22.1543



0.0325, 0.0135, 0.1473

Previews

White Background



This preview shows how the XYZ color 20.1037, 23.4719, 11.2555 looks on a white 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

Black Background



This preview shows how the XYZ color 20.1037, 23.4719, 11.2555 looks on a black 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

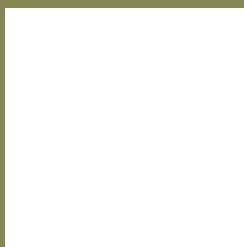
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1037, 23.4719, 11.2555

Background



This preview shows how black text looks on a background with the XYZ color 20.1037, 23.4719, 11.2555.



This preview shows how white text looks on a background with the XYZ color 20.1037, 23.4719,

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

20.1037, 23.4719, 11.2555

Protanopia

21.5126, 23.3740, 10.9672

Deuteranopia

23.8486, 23.3803, 11.4395



Tritanopia

23.5315, 23.4342, 28.0939

Trichromacy



Original Color

20.1037, 23.4719, 11.2555

Protanomaly

20.9576, 23.2921, 10.9807

Deuteranomaly

22.4018, 23.4211, 11.3227

Tritanomaly

22.0338, 23.4253, 20.8130

Monochromacy



Original Color

20.1037, 23.4719, 11.2555

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.3818, 22.4182, 18.5821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1037, 23.4719, 11.2555 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(133, 137, 81)` looks like.

```
.text, #text, p{  
    color:rgb(133, 137, 81)  
}
```

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(133, 137, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 137, 81) }
```

Border

The CSS property to change the border of an element to XYZ 20.1037, 23.4719, 11.2555 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(133, 137, 81) }
```


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

```
.border{ border-color:rgb(133, 137, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 137, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 137, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 137, 81);  
box-shadow:4px 4px 4px 4px rgb(133, 137,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1037, 23.4719, 11.2555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 137, 81) }
```

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

```
.background{ background-color: rgb(133,  
137, 81) }
```

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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