

Converting Colors

XYZ(20.8386, 11.8526, 2.8579)

Have a look what the booklet for
XYZ(20.8386, 11.8526, 2.8579)
contains.

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Color

**XYZ(20.8444, 11.8353,
2.8549)**

Conversions

Conversions Part 1

Format	Color
Hex	B82824
RGB	184, 40, 36
RGB Percent	72%, 16%, 14%
CMY	0.2784, 0.8431, 0.8588
CMYK	0.00, 0.78, 0.80, 0.28
HSL	2°, 67%, 43%
HSV	2°, 80%, 72%
XYZ	20.8444, 11.8353, 2.8549
YIQ	82.6000, 87.1080, 29.2840

Conversions

Conversions Part 2

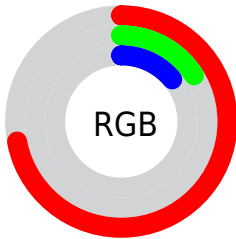
Format	Color
RYB	184, 40, 36
Decimal	12068900
CIELab	40.95, 56.04, 38.78
CIELCh	41, 68.145, 34.685
Yxy	11.8353, 0.5866, 0.3331
Android (android.graphics.Color)	4290258980 (0xFFB82824)
YUV	82.6000, -22.9738, 88.9278
Hunter-Lab	34.4025, 47.9485, 19.1615

Details

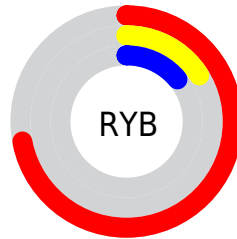
The XYZ color **20.8444, 11.8353, 2.8549** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **25.6982, 36.4737, 51.0328**, and the grayscale version is **8.1745, 8.6002, 9.3656**.

A 20% lighter version of the original color is **44.2484, 29.1187, 11.2710**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **20.1620, 10.8107, 1.5793**, and if you desaturate by 10%, it is **21.9510, 13.4777, 4.9841**.

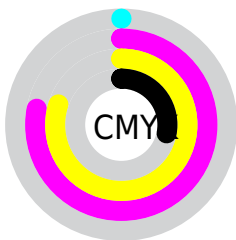
Distribution



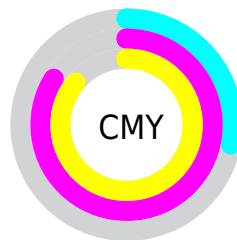
- Red (72%)
- Green (16%)
- Blue (14%)



- Red (72%)
- Yellow (16%)
- Blue (14%)



- Cyan (0%)
- Magenta (78%)
- Yellow (80%)
- Black (28%)





- Cyan (28%)
- Magenta (84%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8444, 11.8353, 2.8549 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 20.8444, 11.8353, 2.8549 by changing the saturation by 10% instead.


 20.8444, 11.8353,
2.8549


 20.8444, 11.8353,
2.8549


249.1978,
203.3119, 134.4906


 13.1221, 6.6316,
1.0210


 44.3217, 29.1948,
11.2682


 7.5903, 3.2328,
0.0000


 60.8074, 42.1194,
18.6848


 3.8835, 1.2545,
0.0000


 80.9449, 58.3864,
28.7993

 1.6364, 0.1055,
0.0000

 105.0996, 78.3803,
42.0304

 0.4160, 0.0000,
0.0000

 133.6370,
102.4854, 58.7965

 0.0000, 0.0000,
0.0000

 166.9222,

131.0860, 79.5162

205.3207,
164.5668, 104.6080

20.8444, 11.8353,
2.8549

20.8444, 11.8353,
2.8549

20.1620, 10.8107,
1.5793

21.9510, 13.4777,
4.9841

19.8212, 10.2985,
0.9431

23.5347, 15.8120,
8.0803

25.6415, 18.9040,
12.2403

28.3118, 22.8113,
17.5489

31.5820, 27.5862,
24.0824

■ 35.4856, 33.2762,
31.9104

■ 40.0534, 39.9257,
41.0975

■ 45.3145, 47.5761,
51.7039

■ 51.2958, 56.2664,
63.7862

Harmonies

Analogous

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



23.4070, 11.8353, 10.8173



20.8444, 11.8353, 2.8549



15.7491, 11.8353, 0.6298

Triad

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



20.8444, 11.8353, 2.8549



4.7280, 11.8353, 4.4821



12.0317, 11.8353, 62.3843

Complementary

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



20.8444, 11.8353, 2.8549



25.6982, 36.4737, 51.0328

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.



7.7001, 11.8353, 55.5351



20.8444, 11.8353, 2.8549



4.2574, 11.8353, 15.2044

Square

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



20.8444, 11.8353, 2.8549



6.7159, 11.8353, 1.0199



5.1705, 11.8353, 34.9769



17.4664, 11.8353, 49.9320

Rectangle

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



20.8444, 11.8353, 2.8549



12.1394, 11.8353, 0.1928



5.1705, 11.8353, 34.9769



10.4034, 11.8353, 62.3107

Sweetspot

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



20.8447, 11.8360, 2.8551



61.3794, 56.0267, 51.9284



28.7932, 14.8102, 45.3443



12.6990, 11.3010, 10.1258



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.8447, 11.8360, 2.8551



36.0231, 18.7891, 1.9345



25.9313, 22.0093, 4.5506



9.0236, 9.0502, 9.3782



13.6691, 7.1146, 0.6528



0.4885, 0.2641, 0.0252

Inverse Universe

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



25.6982, 36.4737, 51.0328



45.0256, 64.8238, 92.3438



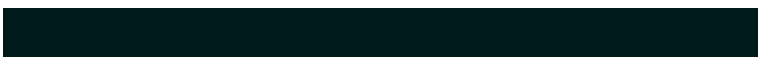
14.6927, 14.4627, 47.3643



9.2453, 10.1677, 11.5547



17.0832, 24.6261, 35.1060



0.6088, 0.8813, 1.2398

Previews

White Background



This preview shows how the XYZ color 20.8444, 11.8353, 2.8549 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 20.8444, 11.8353, 2.8549 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 20.8444, 11.8353, 2.8549

Background



This preview shows how black text looks on a background with the XYZ color 20.8444, 11.8353, 2.8549.



This preview shows how white text looks on a background with the XYZ color 20.8444, 11.8353,

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

20.8444, 11.8353, 2.8549

Protanopia

11.1719, 12.1714, 5.0093

Deuteranopia

12.2374, 12.1015, 2.5015



Tritanopia

20.8757, 11.7946, 3.1838

Trichromacy



Original Color

20.8444, 11.8353, 2.8549

Protanomaly

13.3004, 10.7393, 3.9566

Deuteranomaly

14.3354, 11.0011, 2.4665

Tritanomaly

20.8589, 11.7879, 3.0954

Monochromacy



Original Color

20.8444, 11.8353, 2.8549

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

10.7363, 8.4007, 6.2099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8444, 11.8353, 2.8549 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(184, 40, 36)` looks like.

```
.text, #text, p{  
    color:rgb(184, 40, 36)  
}
```

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(184, 40, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 40, 36) }
```

Border

The CSS property to change the border of an element to XYZ 20.8444, 11.8353, 2.8549 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(184, 40, 36) }
```


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

```
.border{ border-color:rgb(184, 40, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 40, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 40, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 40, 36);  
box-shadow:4px 4px 4px 4px rgb(184, 40,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8444, 11.8353, 2.8549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 40, 36) }
```

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

```
.background{ background-color: rgb(184, 40,  
36) }
```

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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