

Converting Colors

XYZ(21.0137, 12.2106, 3.8000)

Have a look what the booklet for
XYZ(21.0137, 12.2106, 3.8000)
contains.

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Color

**XYZ(20.9986, 12.2185,
3.8364)**

Conversions

Conversions Part 1

Format	Color
Hex	B72E2E
RGB	183, 46, 46
RGB Percent	72%, 18%, 18%
CMY	0.2824, 0.8196, 0.8196
CMYK	0.00, 0.75, 0.75, 0.28
HSL	0°, 60%, 45%
HSV	0°, 75%, 72%
XYZ	20.9986, 12.2185, 3.8364
YIQ	86.9630, 81.6520, 29.0440

Conversions

Conversions Part 2

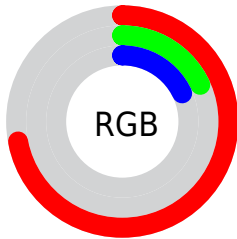
Format	Color
R_{YB}	183, 46, 46
Decimal	12004910
CIE Lab	41.56, 54.16, 33.68
CIE LCh	42, 63.773, 31.875
Yxy	12.2185, 0.5667, 0.3298
Android (android.graphics.Color)	4290194990 (0xFFB72E2E)
YUV	86.9630, -20.1948, 84.2244
Hunter-Lab	34.9550, 46.0596, 17.9612

Details

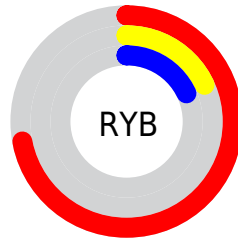
The XYZ color **20.9986, 12.2185, 3.8364** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **26.6055, 37.8628, 50.7056**, and the grayscale version is **9.0817, 9.5547, 10.4050**.

A 20% lighter version of the original color is **44.4382, 29.8857, 13.5516**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **20.1428, 10.9665, 2.1350**, and if you desaturate by 10%, it is **22.3132, 14.1425, 6.4491**.

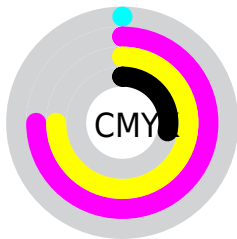
Distribution



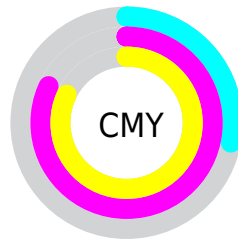
- Red (72%)
- Green (18%)
- Blue (18%)



- Red (72%)
- Yellow (18%)
- Blue (18%)



- Cyan (0%)
- Magenta (75%)
- Yellow (75%)
- Black (28%)



- Cyan (28%)
- Magenta (82%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9986, 12.2185, 3.8364 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 20.9986, 12.2185, 3.8364 by changing the saturation by 10% instead.

■ 20.9986, 12.2185,
3.8364

■ 20.9986, 12.2185,
3.8364

250.0029,
205.8465, 146.3892

■ 13.2354, 6.8927,
1.5360

■ 44.5765, 29.8924,
13.6307

■ 7.6690, 3.3951,
0.2446

■ 61.1219, 43.0093,
21.9616

■ 3.9339, 1.3413,
0.0000

■ 81.3255, 59.4920,
33.1399

■ 1.6648, 0.1728,
0.0000

■ 105.5526, 79.7249,
47.5839

■ 0.4341, 0.0000,
0.0000

■ 134.1685,
104.0924, 65.7124

■ 0.0000, 0.0000,
0.0000

■ 167.5386,

132.9789, 87.9437

206.0283,
166.7688, 114.6965

■ 20.9986, 12.2185,
3.8364

■ 20.9986, 12.2185,
3.8364

■ 20.1428, 10.9665,
2.1350

■ 22.3132, 14.1425,
6.4491

■ 19.6820, 10.2922,
1.2192

■ 24.1376, 16.8122,
10.0758

■ 19.5285, 10.0675,
0.9140

■ 26.5170, 20.2939,
14.8058

■ 29.4914, 24.6463,
20.7187

■ 33.0970, 29.9225,
27.8867

■ 37.3674, 36.1713,
36.3761

■ 42.3336, 43.4382,
46.2487

■ 48.0246, 51.7657,
57.5625

■ 54.4680, 61.1940,
70.3719

Harmonies

Analogous

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



23.0598, 12.2185, 12.4820



20.9986, 12.2185, 3.8364



16.3668, 12.2185, 1.0822

Triad

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



20.9986, 12.2185, 3.8364



5.3706, 12.2185, 4.5066



11.9089, 12.2185, 58.9236

Complementary

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



20.9986, 12.2185, 3.8364



26.6055, 37.8628, 50.7056

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.



7.8828, 12.2185, 51.1619



20.9986, 12.2185, 3.8364



4.7654, 12.2185, 14.1610

Square

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



20.9986, 12.2185, 3.8364



7.4972, 12.2185, 1.2475



5.5478, 12.2185, 31.9628



17.0132, 12.2185, 49.1291

Rectangle

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



20.9986, 12.2185, 3.8364



12.9254, 12.2185, 0.5960



5.5478, 12.2185, 31.9628



10.3932, 12.2185, 58.2689

Sweetspot

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



20.9989, 12.2192, 3.8366



61.0746, 56.2219, 53.5192



29.0526, 15.4401, 46.2486



13.0618, 11.7919, 10.9705



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.



20.9989, 12.2192, 3.8366



35.4582, 18.7373, 2.5965



26.0954, 22.4122, 5.5354



9.0047, 9.0123, 9.3719



13.6235, 7.0233, 0.6376



0.4803, 0.2476, 0.0225

Inverse Universe

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



26.6055, 37.8628, 50.7056



46.0014, 66.9609, 90.7359



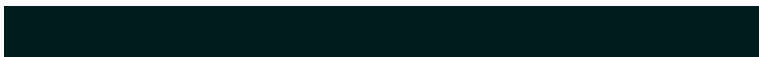
15.7478, 16.1475, 47.0863



9.2667, 10.2106, 11.5619



17.7740, 26.0078, 35.3363



0.6266, 0.9169, 1.2457

Previews

White Background



This preview shows how the XYZ color 20.9986, 12.2185, 3.8364 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 20.9986, 12.2185, 3.8364

Background



This preview shows how black text looks on a background with the XYZ color 20.9986, 12.2185, 3.8364.



This preview shows how white text looks on a background with the XYZ color 20.9986, 12.2185,

3.8364.

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

20.9986, 12.2185, 3.8364

Protanopia

11.5434, 12.4707, 6.5013

Deuteranopia

12.6488, 12.4241, 3.4817



Tritanopia

21.0185, 12.2265, 3.9415

Trichromacy



Original Color

20.9986, 12.2185, 3.8364

Protanomaly

13.5989, 11.1836, 5.3128

Deuteranomaly

14.7139, 11.4807, 3.4480

Tritanomaly

21.0185, 12.2265, 3.9415

Monochromacy



Original Color

20.9986, 12.2185, 3.8364

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.5131, 9.2402, 7.3076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9986, 12.2185, 3.8364 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(183, 46, 46)` looks like.

```
.text, #text, p{  
    color:rgb(183, 46, 46)  
}
```

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(183, 46, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 46, 46) }
```

Border

The CSS property to change the border of an element to XYZ 20.9986, 12.2185, 3.8364 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(183, 46, 46) }
```


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

```
.border{ border-color:rgb(183, 46, 46) }
```

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

Here you see how a box with a 4 pixel rgb(183, 46, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 46, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 46, 46);  
box-shadow:4px 4px 4px 4px rgb(183, 46,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9986, 12.2185, 3.8364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 46, 46) }
```

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

```
.background{ background-color: rgb(183, 46,  
46) }
```

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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