

Converting Colors

XYZ(20.4435, 10.5208, 1.7780)

Have a look what the booklet for
XYZ(20.4435, 10.5208, 1.7780)
contains.

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Color

**XYZ(20.4044, 10.5010,
1.7621)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0017
RGB	186, 0, 23
RGB Percent	73%, 0%, 9%
CMY	0.2706, 0.9999, 0.9098
CMYK	0.00, 1.00, 0.88, 0.27
HSL	353°, 100%, 36%
HSV	353°, 100%, 73%
XYZ	20.4044, 10.5010, 1.7621
YIQ	58.2360, 103.4730, 46.5850

Conversions

Conversions Part 2

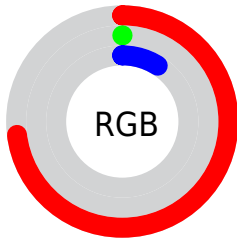
Format	Color
R_{YB}	186, 0, 23
Decimal	12189719
CIE Lab	38.73, 63.49, 43.77
CIE LCh	39, 77.118, 34.580
Yxy	10.5010, 0.6246, 0.3215
Android (android.graphics.Color)	4290379799 (0xFFBA0017)
YUV	58.2360, -17.3713, 112.0490
Hunter-Lab	32.4052, 55.6857, 19.4597

Details

The XYZ color **20.4044, 10.5010, 1.7621** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **24.1732, 37.7634, 40.6814**, and the grayscale version is **4.0689, 4.2808, 4.6618**.

A 20% lighter version of the original color is **43.4102, 26.6262, 8.3202**, and **8.1684, 4.2110, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **20.4039, 10.5008, 1.7605**, and if you desaturate by 10%, it is **20.8476, 11.0410, 2.9783**.

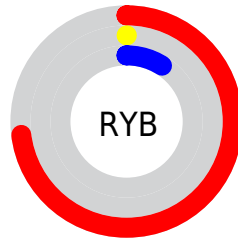
Distribution



Red (73%)

Green (0%)

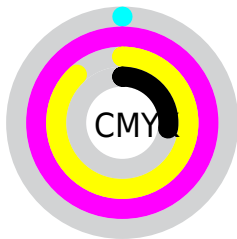
Blue (9%)



Red (73%)

Yellow (0%)

Blue (9%)

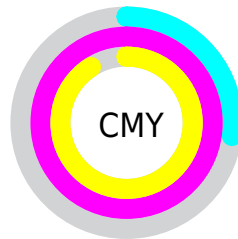


Cyan (0%)

Magenta (100%)

Yellow (88%)

Black (27%)



Cyan (27%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4044, 10.5010, 1.7621 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 20.4044, 10.5010, 1.7621 by changing the saturation by 10% instead.

 20.4044, 10.5010,
1.7621


 20.4044, 10.5010,
1.7621


246.8881,
194.2113, 118.5659


 12.7993, 5.7324,
0.4028


 43.5929, 26.7337,
8.3796


 7.3665, 2.6830,
0.0000


 59.9071, 38.9665,
14.5767


 3.7407, 0.9686,
0.0000

 79.8550, 54.4562,
23.2576

 1.5565, 0.0000,
0.0000

 103.8020, 73.5871,
34.8407


 0.3638, 0.0000,
0.0000


 132.1135, 96.7437,
49.7445


 0.0000, 0.0000,
0.0000


 165.1547,


124.3104, 68.3876


 203.2912,
156.6714, 91.1886


 20.4044, 10.5010,
1.7621


 20.4044, 10.5010,
1.7621


 20.4039, 10.5008,
1.7605

 20.8476, 11.0410,
2.9783

 21.6227, 12.0586,
4.8791

 22.8225, 13.7182,
7.5605

 24.4978, 16.1030,
11.0958

 26.6920, 19.2839,
15.5498

■ 29.4437, 23.3231,
20.9809

■ 32.7876, 28.2766,
27.4425

■ 36.7559, 34.1958,
34.9844

■ 41.3781, 41.1282,
43.6530

Harmonies

Analogous

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



23.2636, 10.5010, 9.3383



20.4044, 10.5010, 1.7621



14.8001, 10.5010, 0.0000

Triad

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



20.4044, 10.5010, 1.7621



3.4933, 10.5010, 3.1280



10.7830, 10.5010, 68.3278

Complementary

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



20.4044, 10.5010, 1.7621



24.1732, 37.7634, 40.6814

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.



6.3410, 10.5010, 60.0437



20.4044, 10.5010, 1.7621



3.0577, 10.5010, 13.8214

Square

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



20.4044, 10.5010, 1.7621



5.3923, 10.5010, 0.2291



3.8961, 10.5010, 35.8664



16.6311, 10.5010, 53.5317

Rectangle

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



20.4044, 10.5010, 1.7621



10.9344, 10.5010, 0.0000



3.8961, 10.5010, 35.8664



9.0845, 10.5010, 68.2098

Sweetspot

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



20.4046, 10.5017, 1.7622



59.0902, 50.7484, 49.0905



23.6024, 11.1442, 47.3611



12.4227, 10.3001, 9.6753



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.4046, 10.5017, 1.7622



36.9371, 19.0148, 2.9461



22.3304, 14.6003, 1.6422



9.0485, 9.0298, 9.6030



13.7427, 7.0708, 1.2660



0.4992, 0.2552, 0.1224

Inverse Universe

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



20.4046, 10.5017, 1.7622



36.9371, 19.0148, 2.9461



15.3197, 16.4582, 48.8234



9.0485, 9.0298, 9.6030



13.7427, 7.0708, 1.2660



0.4992, 0.2552, 0.1224

Previews

White Background



This preview shows how the XYZ color 20.4044, 10.5010, 1.7621 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 20.4044, 10.5010, 1.7621

Background



This preview shows how black text looks on a background with the XYZ color 20.4044, 10.5010, 1.7621.



This preview shows how white text looks on a background with the XYZ color 20.4044, 10.5010,

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

20.4044, 10.5010, 1.7621

Protanopia

10.2114, 11.1619, 3.6237

Deuteranopia

11.1801, 11.0667, 1.5468



Tritanopia

20.2080, 10.7152, 1.0032

Trichromacy



Original Color

20.4044, 10.5010, 1.7621

Protanomaly

11.7361, 8.4155, 2.5192

Deuteranomaly

12.8346, 8.7834, 1.2486

Tritanomaly

20.1711, 10.5712, 1.2070

Monochromacy



Original Color

20.4044, 10.5010, 1.7621

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.9609, 4.5159, 2.9874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4044, 10.5010, 1.7621 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(186, 0, 23)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 23)  
}
```

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(186, 0, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 23) }
```

Border

The CSS property to change the border of an element to XYZ 20.4044, 10.5010, 1.7621 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(186, 0, 23) }
```


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

```
.border{ border-color:rgb(186, 0, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 0, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 23);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 23)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.4044, 10.5010, 1.7621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 23) }
```

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

```
.background{ background-color: rgb(186, 0,  
23) }
```

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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