

Converting Colors

XYZ(20.7315, 10.9798, 1.5688)

Have a look what the booklet for
XYZ(20.7315, 10.9798, 1.5688)
contains.

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Color

**XYZ(20.7951, 11.0062,
1.5587)**

Conversions

Conversions Part 1

Format	Color
Hex	BB1111
RGB	187, 17, 17
RGB Percent	73%, 7%, 7%
CMY	0.2667, 0.9332, 0.9333
CMYK	0.00, 0.91, 0.91, 0.27
HSL	0°, 83%, 40%
HSV	0°, 91%, 73%
XYZ	20.7951, 11.0062, 1.5587
YIQ	67.8300, 101.3200, 36.0400

Conversions

Conversions Part 2

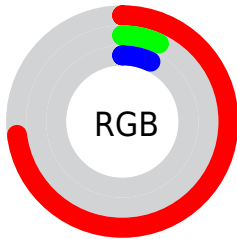
Format	Color
R_{YB}	187, 17, 17
Decimal	12259601
CIE Lab	39.59, 61.67, 47.28
CIE LCh	40, 77.710, 37.479
Yxy	11.0062, 0.6234, 0.3299
Android (android.graphics.Color)	4290449681 (0xFFBB1111)
YUV	67.8300, -25.0592, 104.5121
Hunter-Lab	33.1756, 53.8299, 20.4373

Details

The XYZ color **20.7951, 11.0062, 1.5587** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **26.9651, 39.2357, 53.1652**, and the grayscale version is **5.4970, 5.7833, 6.2980**.

A 20% lighter version of the original color is **44.3981, 27.7212, 7.8612**, and **8.3122, 4.2851, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **20.4936, 10.5653, 0.9592**, and if you desaturate by 10%, it is **21.4297, 11.9354, 2.8195**.

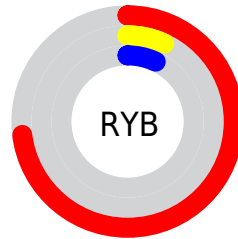
Distribution



Red (73%)

Green (7%)

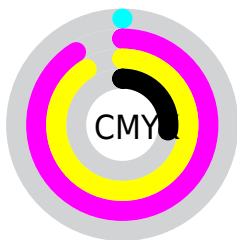
Blue (7%)



Red (73%)

Yellow (7%)

Blue (7%)

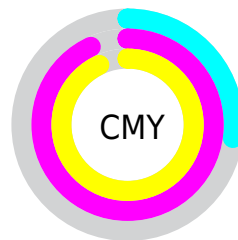


Cyan (0%)

Magenta (91%)

Yellow (91%)

Black (27%)



Cyan (27%)


Magenta (93%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7951, 11.0062, 1.5587 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 20.7951, 11.0062, 1.5587 by changing the saturation by 10% instead.


 20.7951, 11.0062,
1.5587


 20.7951, 11.0062,
1.5587


 248.9399,
197.7101, 115.0970


 13.0859, 6.0710,
0.2611


 44.2401, 27.6716,
7.7949


 7.5651, 2.8883,
0.0000


 60.7067, 40.1707,
13.7276


 3.8674, 1.0737,
0.0000

 80.8231, 55.9598,
22.0948

 1.6274, 0.0000,
0.0000

 104.9546, 75.4233,
33.3150

 0.4102, 0.0000,
0.0000


 133.4668, 98.9457,
47.8068


 0.0000, 0.0000,
0.0000


 166.7248,


126.9114, 65.9887


 205.0940,
159.7047, 88.2793


 20.7951, 11.0062,
1.5587


 20.7951, 11.0062,
1.5587


 20.4936, 10.5653,
0.9592

 21.4297, 11.9354,
2.8195

 22.5074, 13.5125,
4.9614

 24.0895, 15.8277,
8.1062

 26.2275, 18.9562,
12.3561

 28.9664, 22.9641,
17.8009

■ 32.3469, 27.9107,
24.5211

■ 36.4058, 33.8500,
32.5904

■ 41.1775, 40.8321,
42.0767

■ 46.6937, 48.9037,
53.0434

Harmonies

Analogous

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



24.1451, 11.0062, 8.5761



20.7951, 11.0062, 1.5587



14.8637, 11.0062, 0.0000

Triad

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



20.7951, 11.0062, 1.5587



3.5946, 11.0062, 3.9275



11.8425, 11.0062, 70.3430

Complementary

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



20.7951, 11.0062, 1.5587



26.9651, 39.2357, 53.1652

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.



7.0269, 11.0062, 64.1103



20.7951, 11.0062, 1.5587



3.2668, 11.0062, 16.1924

Square

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



20.7951, 11.0062, 1.5587



5.4098, 11.0062, 0.4608



4.2845, 11.0062, 39.9088



17.9565, 11.0062, 53.1911

Rectangle

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



20.7951, 11.0062, 1.5587



10.9152, 11.0062, 0.0000



4.2845, 11.0062, 39.9088



10.0197, 11.0062, 71.0606

Sweetspot

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



20.7953, 11.0069, 1.5588



60.3170, 53.4758, 48.6555



29.6633, 14.5534, 48.2588



12.7646, 11.0180, 9.6846



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.



20.7953, 11.0069, 1.5588



36.7042, 18.9224, 1.7179



25.3458, 20.1079, 3.0757



9.5303, 9.5366, 9.9151



14.1205, 7.2798, 0.6609



0.5532, 0.2852, 0.0259

Inverse Universe

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



26.9651, 39.2357, 53.1652



47.8797, 70.0560, 95.2000



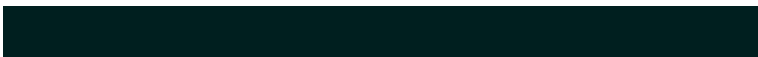
13.9521, 13.2097, 48.8275



9.8085, 10.8093, 12.2416



18.4198, 26.9513, 36.6242



0.7216, 1.0558, 1.4346

Previews

White Background



This preview shows how the XYZ color 20.7951, 11.0062, 1.5587 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 20.7951, 11.0062, 1.5587

Background



This preview shows how black text looks on a background with the XYZ color 20.7951, 11.0062, 1.5587.



This preview shows how white text looks on a background with the XYZ color 20.7951, 11.0062,

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

20.7951, 11.0062, 1.5587

Protanopia

10.3106, 11.3584, 3.0878

Deuteranopia

11.4019, 11.3054, 1.5812



Tritanopia

20.7591, 11.0171, 1.2908

Trichromacy



Original Color

20.7951, 11.0062, 1.5587

Protanomaly

12.1967, 9.2443, 2.1784

Deuteranomaly

13.3120, 9.4975, 1.3039

Tritanomaly

20.7762, 11.0240, 1.3806

Monochromacy



Original Color

20.7951, 11.0062, 1.5587

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

8.2082, 5.7979, 3.5922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7951, 11.0062, 1.5587 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(187, 17, 17)` looks like.

```
.text, #text, p{  
    color:rgb(187, 17, 17)  
}
```

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(187, 17, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 17, 17) }
```

Border

The CSS property to change the border of an element to XYZ 20.7951, 11.0062, 1.5587 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(187, 17, 17) }
```


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

```
.border{ border-color:rgb(187, 17, 17) }
```

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

Here you see how a box with a 4 pixel rgb(187, 17, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 17, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 17, 17);  
box-shadow:4px 4px 4px 4px rgb(187, 17,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7951, 11.0062, 1.5587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 17, 17) }
```

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

```
.background{ background-color: rgb(187, 17,  
17) }
```

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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