

Converting Colors

XYZ(20.8570, 10.9399, 1.6371)

Have a look what the booklet for
XYZ(20.8570, 10.9399, 1.6371)
contains.

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Color

**XYZ(20.7425, 10.8748,
1.6219)**

Conversions

Conversions Part 1

Format	Color
Hex	BB0C13
RGB	187, 12, 19
RGB Percent	73%, 5%, 7%
CMY	0.2667, 0.9528, 0.9255
CMYK	0.00, 0.94, 0.90, 0.27
HSL	358°, 88%, 39%
HSV	358°, 94%, 73%
XYZ	20.7425, 10.8748, 1.6219
YIQ	65.1230, 102.0530, 39.2770

Conversions

Conversions Part 2

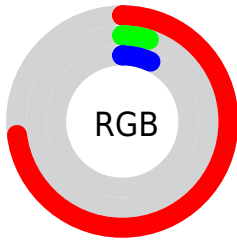
Format	Color
RYB	187, 12, 19
Decimal	12258323
CIELab	39.37, 62.37, 46.25
CIElCh	39, 77.651, 36.560
Yxy	10.8748, 0.6240, 0.3272
Android (android.graphics.Color)	4290448403 (0xFFBB0C13)
YUV	65.1230, -22.7386, 106.8861
Hunter-Lab	32.9770, 54.5668, 20.1678

Details

The XYZ color **20.7425, 10.8748, 1.6219** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **26.1639, 38.9153, 49.3304**, and the grayscale version is **5.0689, 5.3328, 5.8075**.

A 20% lighter version of the original color is **44.3475, 27.5741, 7.9860**, and **8.3122, 4.2851, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **20.5341, 10.5810, 1.1738**, and if you desaturate by 10%, it is **21.3096, 11.6642, 2.8749**.

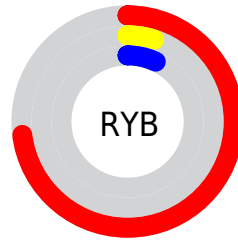
Distribution



Red (73%)

Green (5%)

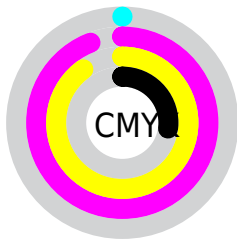
Blue (7%)



Red (73%)

Yellow (5%)

Blue (7%)

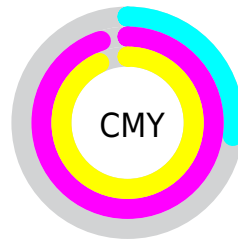


Cyan (0%)

Magenta (94%)

Yellow (90%)

Black (27%)



Cyan (27%)


Magenta (95%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7425, 10.8748, 1.6219 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 20.7425, 10.8748, 1.6219 by changing the saturation by 10% instead.


 20.7425, 10.8748,
1.6219


 20.7425, 10.8748,
1.6219


248.6645,
196.8066, 116.1981


 13.0473, 5.9827,
0.3064


 44.1531, 27.4284,
7.9787


 7.5383, 2.8346,
0.0000


 60.5992, 39.8587,
13.9953


 3.8503, 1.0460,
0.0000

 80.6930, 55.5706,
22.4621

 1.6178, 0.0000,
0.0000

 104.7998, 74.9484,
33.7976

 0.4040, 0.0000,
0.0000


 133.2850, 98.3764,
48.4205


 0.0000, 0.0000,
0.0000


 166.5140,


126.2392, 66.7492


 204.8520,
158.9212, 89.2022


 20.7425, 10.8748,
1.6219


 20.7425, 10.8748,
1.6219


 20.5341, 10.5810,
1.1738

 21.3096, 11.6642,
2.8749

 22.2974, 13.0729,
4.9515

 23.7668, 15.1946,
7.9605

 25.7688, 18.1066,
11.9942

 28.3479, 21.8765,
17.1339

■ 31.5438, 26.5643,
23.4526

■ 35.3928, 32.2247,
31.0171

■ 39.9284, 38.9084,
39.8891

■ 45.1816, 46.6622,
50.1264

Harmonies

Analogous

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



23.9481, 10.8748, 8.8372



20.7425, 10.8748, 1.6219



14.8914, 10.8748, 0.0000

Triad

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



20.7425, 10.8748, 1.6219



3.5679, 10.8748, 3.6648



11.5321, 10.8748, 69.9905

Complementary

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



20.7425, 10.8748, 1.6219



26.1639, 38.9153, 49.3304

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.



6.8198, 10.8748, 63.0561



20.7425, 10.8748, 1.6219



3.2039, 10.8748, 15.4579

Square

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



20.7425, 10.8748, 1.6219



5.4160, 10.8748, 0.3849



4.1657, 10.8748, 38.7380



17.5858, 10.8748, 53.5162

Rectangle

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



20.7425, 10.8748, 1.6219



10.9535, 10.8748, 0.0000



4.1657, 10.8748, 38.7380



9.7425, 10.8748, 70.4396

Sweetspot

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



20.7427, 10.8755, 1.6220



59.8690, 52.5353, 48.6428



27.5191, 13.3463, 48.1388



12.5490, 10.6356, 9.4623



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.



20.7427, 10.8755, 1.6220



36.7567, 18.9426, 1.9959



24.2812, 18.0340, 2.5501



9.5451, 9.5424, 9.9938



14.1547, 7.2930, 0.8424



0.5598, 0.2878, 0.0610

Inverse Universe

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



20.7427, 10.8755, 1.6220



36.7567, 18.9426, 1.9959



14.5122, 14.4474, 49.0369



9.5451, 9.5424, 9.9938



14.1547, 7.2930, 0.8424



0.5598, 0.2878, 0.0610

Previews

White Background



This preview shows how the XYZ color 20.7425, 10.8748, 1.6219 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 20.7425, 10.8748, 1.6219

Background



This preview shows how black text looks on a background with the XYZ color 20.7425, 10.8748, 1.6219.



This preview shows how white text looks on a background with the XYZ color 20.7425, 10.8748,

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

20.7425, 10.8748, 1.6219

Protanopia

10.3394, 11.3699, 3.2398

Deuteranopia

11.4019, 11.3054, 1.5812



Tritanopia

20.6940, 10.9657, 1.0259

Trichromacy



Original Color

20.7425, 10.8748, 1.6219

Protanomaly

12.1037, 9.0202, 2.2655

Deuteranomaly

13.2626, 9.3899, 1.3144

Tritanomaly

20.7027, 10.9218, 1.2180

Monochromacy



Original Color

20.7425, 10.8748, 1.6219

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

7.8172, 5.4186, 3.4302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7425, 10.8748, 1.6219 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, 12, 19)` looks like.

```
.text, #text, p{  
    color:rgb(187, 12, 19)  
}
```

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, 12, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 12, 19) }
```

Border

The CSS property to change the border of an element to XYZ 20.7425, 10.8748, 1.6219 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, 12, 19) }
```


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

```
.border{ border-color:rgb(187, 12, 19) }
```

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

Here you see how a box with a 4 pixel rgb(187, 12, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 12, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 12, 19);  
box-shadow:4px 4px 4px 4px rgb(187, 12,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7425, 10.8748, 1.6219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 12, 19) }
```

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

```
.background{ background-color: rgb(187, 12,  
19) }
```

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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