

Converting Colors

XYZ(21.3609, 10.6569, 2.2678)

Have a look what the booklet for
XYZ(21.3609, 10.6569, 2.2678)
contains.

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Color

**XYZ(21.4959, 11.0514,
2.3667)**

Conversions

Conversions Part 1

Format	Color
Hex	BE0020
RGB	190, 0, 32
RGB Percent	75%, 0%, 13%
CMY	0.2549, 0.9999, 0.8745
CMYK	0.00, 1.00, 0.83, 0.25
HSL	350°, 100%, 37%
HSV	350°, 100%, 75%
XYZ	21.4959, 11.0514, 2.3667
YIQ	60.4580, 102.9680, 50.2320

Conversions

Conversions Part 2

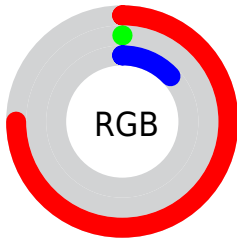
Format	Color
R _Y B	190, 0, 32
Decimal	12451872
CIE Lab	39.67, 64.69, 40.16
CIE LCh	40, 76.142, 31.834
Yxy	11.0514, 0.6157, 0.3165
Android (android.graphics.Color)	4290641952 (0xFFBE0020)
YUV	60.4580, -14.0298, 113.6083
Hunter-Lab	33.2436, 57.2447, 19.0495

Details

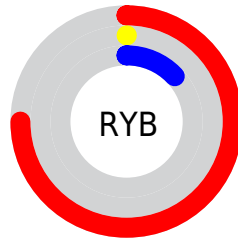
The XYZ color **21.4959, 11.0514, 2.3667** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **24.5882, 39.2966, 38.6519**, and the grayscale version is **4.3706, 4.5982, 5.0074**.

A 20% lighter version of the original color is **45.2299, 27.6412, 9.9726**, and **8.7524, 4.5120, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **21.4954, 11.0512, 2.3646**, and if you desaturate by 10%, it is **21.9980, 11.6258, 3.8597**.

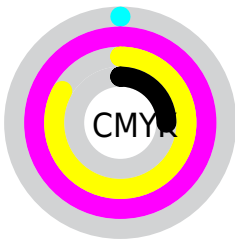
Distribution



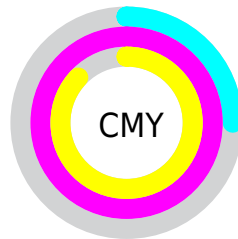
- Red (75%)
- Green (0%)
- Blue (13%)



- Red (75%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (25%)



- Cyan (25%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4959, 11.0514, 2.3667 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 21.4959, 11.0514, 2.3667 by changing the saturation by 10% instead.

■ 21.4959, 11.0514,
2.3667

■ 21.4959, 11.0514,
2.3667

252.5845,
198.0198, 127.8336

■ 13.6015, 6.1014,
0.7682

■ 45.3965, 27.7552,
10.0211

■ 7.9239, 2.9068,
0.0000

■ 62.1334, 40.2778,
16.9270

■ 4.0977, 1.0833,
0.0000

■ 82.5485, 56.0933,
26.4435

■ 1.7575, 0.0000,
0.0000

■ 107.0071, 75.5863,
38.9892

■ 0.4919, 0.0000,
0.0000


■ 135.8747, 99.1410,
54.9825


■ 0.0000, 0.0000,
0.0000


■ 169.5165,


127.1419, 74.8419


 208.2980,
159.9734, 98.9861


 21.4959, 11.0514,
2.3667


 21.4959, 11.0514,
2.3667

 21.4954, 11.0512,
2.3646

 21.9980, 11.6258,
3.8597

 22.8435, 12.7012,
6.0395

 24.1261, 14.4472,
8.9924

 25.8971, 16.9508,
12.7839

 28.2004, 20.2857,
17.4723

■ 31.0751, 24.5170,
23.1107

■ 34.5565, 29.7032,
29.7479

■ 38.6769, 35.8979,
37.4294

■ 43.4664, 43.1506,
46.1977

Harmonies

Analogous

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



24.0038, 11.0514, 11.1397



21.4959, 11.0514, 2.3667



15.9666, 11.0514, 0.0885

Triad

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



21.4959, 11.0514, 2.3667



3.9246, 11.0514, 2.9452



10.8273, 11.0514, 69.3526

Complementary

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



21.4959, 11.0514, 2.3667



24.5882, 39.2966, 38.6519

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.



6.4556, 11.0514, 59.0545



21.4959, 11.0514, 2.3667



3.3442, 11.0514, 12.9730

Square

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



21.4959, 11.0514, 2.3667



6.0631, 11.0514, 0.2589



4.0930, 11.0514, 34.3414



16.7106, 11.0514, 56.4472

Rectangle

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



21.4959, 11.0514, 2.3667



11.9894, 11.0514, 0.0000



4.0930, 11.0514, 34.3414



9.1467, 11.0514, 68.4700

Sweetspot

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



21.4961, 11.0521, 2.3668



62.2765, 53.3102, 53.2569



22.8453, 10.7041, 49.5768



13.0588, 10.7858, 10.5259



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



21.4961, 11.0521, 2.3668



38.8925, 20.0023, 3.9662



22.8611, 14.1988, 1.5367



9.5939, 9.5619, 10.2506



14.3135, 7.3566, 1.6786



0.5813, 0.2964, 0.1744

Inverse Universe

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



21.4961, 11.0521, 2.3668



38.8925, 20.0023, 3.9662



17.2565, 19.6417, 51.5965



9.5939, 9.5619, 10.2506



14.3135, 7.3566, 1.6786



0.5813, 0.2964, 0.1744

Previews

White Background



This preview shows how the XYZ color 21.4959, 11.0514, 2.3667 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 21.4959, 11.0514, 2.3667

Background



This preview shows how black text looks on a background with the XYZ color 21.4959, 11.0514, 2.3667.



This preview shows how white text looks on a background with the XYZ color 21.4959, 11.0514,

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

21.4959, 11.0514, 2.3667

Protanopia

10.7243, 11.6689, 4.8191

Deuteranopia

11.6926, 11.5737, 1.9655



Tritanopia

21.1867, 11.2197, 1.0490

Trichromacy



Original Color

21.4959, 11.0514, 2.3667

Protanomaly

12.4399, 8.8377, 3.4331

Deuteranomaly

13.4847, 9.1841, 1.6781

Tritanomaly

21.1723, 11.0847, 1.3715

Monochromacy



Original Color

21.4959, 11.0514, 2.3667

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.3322, 4.7423, 3.5465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4959, 11.0514, 2.3667 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(190, 0, 32)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 32)  
}
```

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(190, 0, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 32) }
```

Border

The CSS property to change the border of an element to XYZ 21.4959, 11.0514, 2.3667 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(190, 0, 32) }
```


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

```
.border{ border-color:rgb(190, 0, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 0, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 32);  
box-shadow:4px 4px 4px 4px rgb(190, 0, 32)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.4959, 11.0514, 2.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 32) }
```

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

```
.background{ background-color: rgb(190, 0,  
32) }
```

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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