

Converting Colors

XYZ(22.0759, 11.9999, 3.7553)

Have a look what the booklet for
XYZ(22.0759, 11.9999, 3.7553)
contains.

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Color

**XYZ(22.1926, 12.0730,
3.7454)**

Conversions

Conversions Part 1

Format	Color
Hex	BE1E2E
RGB	190, 30, 46
RGB Percent	75%, 12%, 18%
CMY	0.2549, 0.8823, 0.8196
CMYK	0.00, 0.84, 0.76, 0.25
HSL	354°, 73%, 43%
HSV	354°, 84%, 75%
XYZ	22.1926, 12.0730, 3.7454
YIQ	79.6640, 90.2240, 38.8960

Conversions

Conversions Part 2

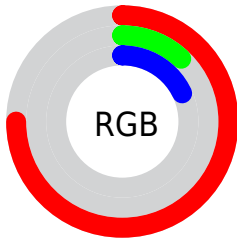
Format	Color
R _Y B	190, 30, 46
Decimal	12459566
CIE Lab	41.33, 60.77, 33.80
CIE LCh	41, 69.537, 29.086
Yxy	12.0730, 0.5838, 0.3176
Android (android.graphics.Color)	4290649646 (0xFFBE1E2E)
YUV	79.6640, -16.5964, 96.7647
Hunter-Lab	34.7462, 53.2030, 17.9313

Details

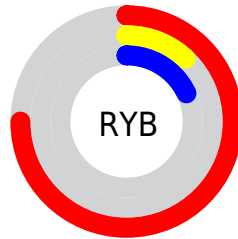
The XYZ color **22.1926, 12.0730, 3.7454** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **26.5908, 40.1595, 46.4029**, and the grayscale version is **7.5803, 7.9750, 8.6848**.

A 20% lighter version of the original color is **46.3541, 29.4841, 13.3731**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **21.5754, 11.2750, 2.1950**, and if you desaturate by 10%, it is **23.2341, 13.5052, 6.0998**.

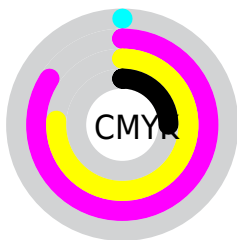
Distribution



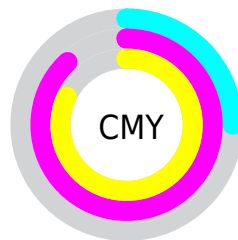
- Red (75%)
- Green (12%)
- Blue (18%)



- Red (75%)
- Yellow (12%)
- Blue (18%)



- Cyan (0%)
- Magenta (84%)
- Yellow (76%)
- Black (25%)





- Cyan (25%)
- Magenta (88%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1926, 12.0730, 3.7454 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 22.1926, 12.0730, 3.7454 by changing the saturation by 10% instead.


 22.1926, 12.0730,
3.7454


 22.1926, 12.0730,
3.7454


256.1639,
204.8880, 145.3520


 14.1159, 6.7934,
1.4867


 46.5406, 29.6280,
13.4182


 8.2836, 3.3332,
0.2080


 63.5426, 42.6722,
21.6694

 4.3302, 1.3081,
0.0000

 84.2504, 59.0734,
32.7552

 1.8906, 0.1475,
0.0000

 109.0294, 79.2159,
47.0941

 0.5714, 0.0000,
0.0000

 138.2448,
103.4843, 65.1047

 0.0000, 0.0000,
0.0000

 172.2622,

132.2628, 87.2056

211.4468,
165.9359, 113.8151

■ 22.1926, 12.0730,
3.7454

■ 22.1926, 12.0730,
3.7454

■ 21.5754, 11.2750,
2.1950

■ 23.2341, 13.5052,
6.0998

■ 21.3524, 10.9940,
1.6119

■ 24.7587, 15.6656,
9.3478

■ 26.8166, 18.6350,
13.5677

■ 29.4513, 22.4829,
18.8288

■ 32.7021, 27.2712,
25.1944

■ 36.6047, 33.0563,
32.7224

■ 41.1918, 39.8902,
41.4669

■ 46.4944, 47.8211,
51.4785

■ 52.5411, 56.8945,
62.8048

Harmonies

Analogous

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



24.1414, 12.0730, 13.5929



22.1926, 12.0730, 3.7454



17.2058, 12.0730, 0.8112

Triad

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



22.1926, 12.0730, 3.7454



5.0091, 12.0730, 3.4233



11.3212, 12.0730, 64.9705

Complementary

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



22.1926, 12.0730, 3.7454



26.5908, 40.1595, 46.4029

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.



7.1832, 12.0730, 54.2021



22.1926, 12.0730, 3.7454



4.2589, 12.0730, 12.7079

Square

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



22.1926, 12.0730, 3.7454



7.3808, 12.0730, 0.7337



4.9208, 12.0730, 31.7695



16.8576, 12.0730, 55.3479

Rectangle

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



22.1926, 12.0730, 3.7454



13.4085, 12.0730, 0.2085



4.9208, 12.0730, 31.7695



9.7369, 12.0730, 63.5355

Sweetspot

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



22.1929, 12.0737, 3.7456



65.4178, 58.5427, 57.5414



27.2147, 13.6459, 49.9143



13.7935, 12.0071, 11.5357



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.



22.1929, 12.0737, 3.7456



38.6537, 19.9068, 2.7086



25.4732, 19.0481, 3.5636



9.5679, 9.5514, 10.1134



14.2122, 7.3160, 1.1453



0.5698, 0.2918, 0.1141

Inverse Universe

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



22.1929, 12.0737, 3.7456



38.6537, 19.9068, 2.7086



17.2918, 18.9174, 51.4548



9.5679, 9.5514, 10.1134



14.2122, 7.3160, 1.1453



0.5698, 0.2918, 0.1141

Previews

White Background



This preview shows how the XYZ color 22.1926, 12.0730, 3.7454 looks on a white background.

Color Contrast Check

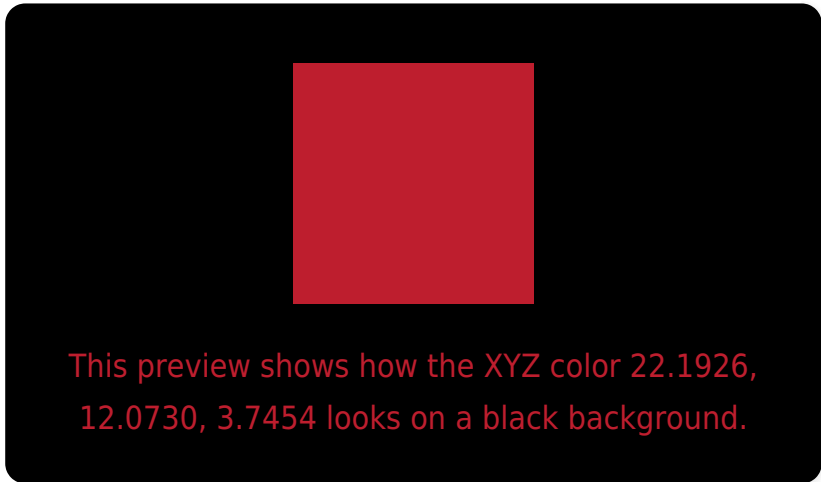
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1926, 12.0730, 3.7454

Background



This preview shows how black text looks on a background with the XYZ color 22.1926, 12.0730, 3.7454.



This preview shows how white text looks on a background with the XYZ color 22.1926, 12.0730,

3.7454.

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

22.1926, 12.0730, 3.7454

Protanopia

11.5384, 12.4547, 7.1061

Deuteranopia

12.4745, 12.3377, 3.3140



Tritanopia

22.0398, 12.1391, 2.5480

Trichromacy



Original Color

22.1926, 12.0730, 3.7454

Protanomaly

13.5547, 10.5317, 5.4561

Deuteranomaly

14.6521, 10.8560, 3.2426

Tritanomaly

22.0856, 12.1137, 2.9244

Monochromacy



Original Color

22.1926, 12.0730, 3.7454

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

10.5117, 7.8557, 6.4311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1926, 12.0730, 3.7454 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, 30, 46)` looks like.

```
.text, #text, p{  
    color:rgb(190, 30, 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(190, 30, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 30, 46) }
```

Border

The CSS property to change the border of an element to XYZ 22.1926, 12.0730, 3.7454 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, 30, 46) }
```


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

```
.border{ border-color:rgb(190, 30, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 30, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 30, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 30, 46);  
box-shadow:4px 4px 4px 4px rgb(190, 30,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1926, 12.0730, 3.7454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 30, 46) }
```

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

```
.background{ background-color: rgb(190, 30,  
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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