

Converting Colors

XYZ(22.3607, 13.6194, 3.2546)

Have a look what the booklet for
XYZ(22.3607, 13.6194, 3.2546)
contains.

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Color

**XYZ(22.2575, 13.5331,
3.2728)**

Conversions

Conversions Part 1

Format	Color
Hex	BB3826
RGB	187, 56, 38
RGB Percent	73%, 22%, 15%
CMY	0.2667, 0.7804, 0.8510
CMYK	0.00, 0.70, 0.80, 0.27
HSL	7°, 66%, 44%
HSV	7°, 80%, 73%
XYZ	22.2575, 13.5331, 3.2728
YIQ	93.1170, 83.8540, 22.1740

Conversions

Conversions Part 2

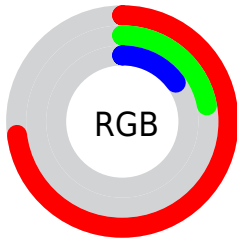
Format	Color
R_{YB}	187, 58, 38
Decimal	12269606
CIE Lab	43.56, 51.48, 40.50
CIE LCh	44, 65.502, 38.190
Yxy	13.5331, 0.5698, 0.3464
Android (android.graphics.Color)	4290459686 (0xFFBB3826)
YUV	93.1170, -27.1727, 82.3354
Hunter-Lab	36.7874, 43.6202, 20.4764

Details

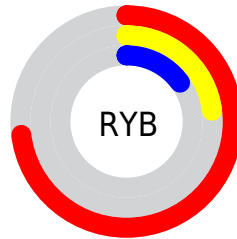
The XYZ color **22.2575, 13.5331, 3.2728** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **23.9551, 32.3724, 51.9991**, and the grayscale version is **10.4804, 11.0262, 12.0076**.

A 20% lighter version of the original color is **46.7485, 32.3487, 12.3743**, and **8.6042, 4.4356, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **21.3578, 12.1015, 1.8398**, and if you desaturate by 10%, it is **23.5709, 15.5502, 5.5911**.

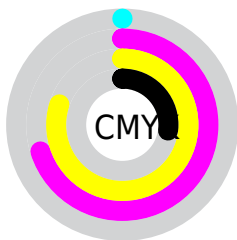
Distribution



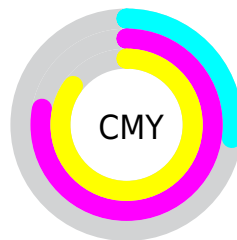
- Red (73%)
- Green (22%)
- Blue (15%)



- Red (73%)
- Yellow (23%)
- Blue (15%)



- Cyan (0%)
- Magenta (70%)
- Yellow (80%)
- Black (27%)



- Cyan (27%)
- Magenta (78%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2575, 13.5331, 3.2728 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 22.2575, 13.5331, 3.2728 by changing the saturation by 10% instead.

■ 22.2575, 13.5331,
3.2728

■ 22.2575, 13.5331,
3.2728

256.4952,
214.3065, 139.7627

■ 14.1639, 7.7967,
1.2356

■ 46.6469, 32.2583,
12.2945

■ 8.3172, 3.9651,
0.0081

■ 63.6734, 46.0158,
20.1160

■ 4.3521, 1.6541,
0.0000

■ 84.4083, 63.2157,
30.7027

■ 1.9032, 0.3936,
0.0000

■ 109.2168, 84.2426,
44.4731

■ 0.5787, 0.0000,
0.0000

■ 138.4645,
109.4807, 61.8458

■ 0.0000, 0.0000,
0.0000

■ 172.5165,

139.3145, 83.2392

211.7383,
174.1283, 109.0720

22.2575, 13.5331,
3.2728

22.2575, 13.5331,
3.2728

21.3578, 12.1015,
1.8398

23.5709, 15.5502,
5.5911

20.8056, 11.1840,
1.0794

25.3402, 18.2045,
8.9070

20.7918, 11.1618,
1.0586

27.6033, 21.5449,
13.3172

30.3939, 25.6148,
18.9063

33.7425, 30.4538,
25.7508

■ 37.6774, 36.0989,
33.9209

■ 42.2249, 42.5846,
43.4813

■ 47.4099, 49.9433,
54.4927

■ 53.2555, 58.2058,
67.0120

Harmonies

Analogous

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



25.2774, 13.5331, 11.0722



22.2575, 13.5331, 3.2728



16.8788, 13.5331, 0.9990

Triad

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



22.2575, 13.5331, 3.2728



5.7159, 13.5331, 6.5452



14.3170, 13.5331, 63.9795

Complementary

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



22.2575, 13.5331, 3.2728



23.9551, 32.3724, 51.9991

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.



9.5404, 13.5331, 59.4823



22.2575, 13.5331, 3.2728



5.3711, 13.5331, 19.1284

Square

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



22.2575, 13.5331, 3.2728



7.6850, 13.5331, 1.8268



6.5722, 13.5331, 39.9501



19.9614, 13.5331, 49.8683

Rectangle

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



22.2575, 13.5331, 3.2728



13.1764, 13.5331, 0.6731



6.5722, 13.5331, 39.9501



12.5543, 13.5331, 64.7102

Sweetspot

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



22.2578, 13.5339, 3.2730



64.0278, 59.7082, 53.5581



28.4059, 14.8387, 39.2070



13.5569, 12.3688, 10.6692



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.



22.2578, 13.5339, 3.2730



37.4436, 20.3161, 2.2262



28.8103, 26.6388, 5.4572



9.6206, 9.7172, 9.9452



14.3549, 7.7487, 0.7391



0.5932, 0.3654, 0.0393

Inverse Universe

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



23.9551, 32.3724, 51.9991



40.2684, 54.6534, 92.6282



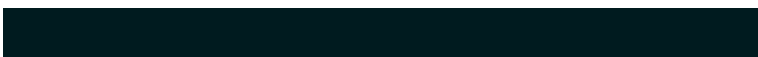
13.8717, 12.2054, 48.6380



9.7075, 10.6073, 12.2080



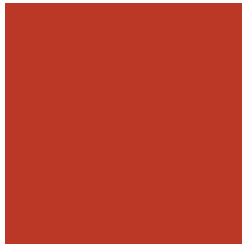
15.4116, 20.9348, 35.6215



0.6318, 0.8762, 1.4047

Previews

White Background



This preview shows how the XYZ color 22.2575, 13.5331, 3.2728 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

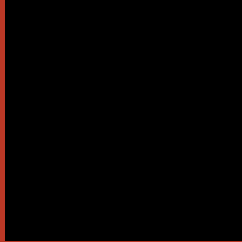
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2575, 13.5331, 3.2728

Background



This preview shows how black text looks on a background with the XYZ color 22.2575, 13.5331, 3.2728.



This preview shows how white text looks on a background with the XYZ color 22.2575, 13.5331,

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

22.2575, 13.5331, 3.2728

Protanopia

12.6404, 13.7934, 5.2450

Deuteranopia

13.7714, 13.5603, 2.9285



Tritanopia

22.7720, 13.6152, 5.1692

Trichromacy



Original Color

22.2575, 13.5331, 3.2728

Protanomaly

14.9058, 12.6843, 4.3520

Deuteranomaly

16.1031, 12.8648, 2.9307

Tritanomaly

22.6596, 13.6455, 4.3453

Monochromacy



Original Color

22.2575, 13.5331, 3.2728

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.8237, 10.7304, 7.6986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2575, 13.5331, 3.2728 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, 56, 38)` looks like.

```
.text, #text, p{  
  color:rgb(187, 56, 38)  
}
```

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, 56, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 56, 38) }
```

Border

The CSS property to change the border of an element to XYZ 22.2575, 13.5331, 3.2728 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, 56, 38) }
```


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

```
.border{ border-color:rgb(187, 56, 38) }
```

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

Here you see how a box with a 4 pixel rgb(187, 56, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 56, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 56, 38);  
box-shadow:4px 4px 4px 4px rgb(187, 56,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2575, 13.5331, 3.2728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 56, 38) }
```

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

```
.background{ background-color: rgb(187, 56,  
38) }
```

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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