

Converting Colors

XYZ(32.7877, 21.2398, 2.3716)

Have a look what the booklet for
XYZ(32.7877, 21.2398, 2.3716)
contains.

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Color

**XYZ(32.7612, 21.2570,
2.3763)**

Conversions

Conversions Part 1

Format	Color
Hex	DD5100
RGB	221, 81, 0
RGB Percent	87%, 32%, 0%
CMY	0.1333, 0.6823, 1.0000
CMYK	0.00, 0.63, 1.00, 0.13
HSL	22°, 100%, 43%
HSV	22°, 100%, 87%
XYZ	32.7612, 21.2570, 2.3763
YIQ	113.6260, 109.4410, 4.4890

Conversions

Conversions Part 2

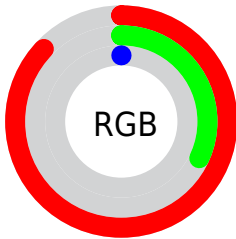
Format	Color
R_{YB}	221, 128, 0
Decimal	14504192
CIE Lab	53.23, 52.17, 63.47
CIE LCh	53, 82.158, 50.582
Yxy	21.2570, 0.5809, 0.3769
Android (android.graphics.Color)	4292694272 (0xFFDD5100)
YUV	113.6260, -56.0176, 94.1670
Hunter-Lab	46.1053, 46.1530, 29.2179

Details

The XYZ color **32.7612, 21.2570, 2.3763** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **22.4283, 23.9748, 71.8515**, and the grayscale version is **16.0227, 16.8571, 18.3574**.

A 20% lighter version of the original color is **50.7735, 38.9357, 9.3967**, and **14.1728, 7.7044, 0.7401** is the 20% darker color. If you saturate the color by 10%, you get **32.7614, 21.2579, 2.3765**, and if you desaturate by 10%, it is **34.0573, 23.6163, 3.5277**.

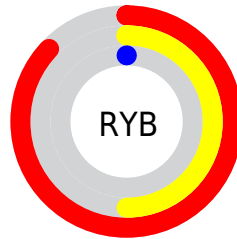
Distribution



Red (87%)

Green (32%)

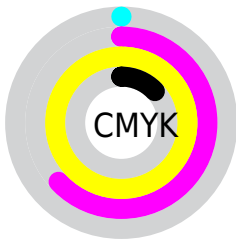
Blue (0%)



Red (87%)

Yellow (50%)

Blue (0%)

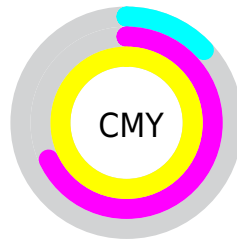


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (68%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7612, 21.2570, 2.3763 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 32.7612, 21.2570, 2.3763 by changing the saturation by 10% instead.


 32.7612, 21.2570,
2.3763


 32.7612, 21.2570,
2.3763


306.2564,
258.6412, 127.9707


 22.1019, 13.3120,
0.7735


 63.3597, 45.5149,
10.0462


 14.0488, 7.6437,
0.0000


 84.0296, 62.5965,
16.9626


 8.2366, 3.8678,
0.0000


 108.7672, 83.4925,
26.4915

 4.2998, 1.5999,
0.0000

 137.9377,
108.5872, 39.0513

 1.8731, 0.3575,
0.0000

 171.9065,
138.2650, 55.0606

 0.5611, 0.0000,
0.0000


 211.0390,


 0.0000, 0.0000,


172.9104, 74.9378


0.0000


 255.7005,
212.9076, 99.1017


 32.7612, 21.2570,
2.3763

 32.7612, 21.2570,
2.3763


 32.7614, 21.2579,
2.3765

 34.0573, 23.6163,
3.5277

 35.7464, 26.4943,
5.6329

 37.8947, 29.9366,
8.9824

 40.5433, 33.9764,
13.7416

 43.7280, 38.6438,
20.0503

■ 47.4808, 43.9665,
28.0308

■ 51.8309, 49.9704,
37.7933

■ 56.8054, 56.6798,
49.4386

■ 62.4295, 64.1178,
63.0595

Harmonies

Analogous

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



40.2000, 21.2570, 10.0812



32.7612, 21.2570, 2.3763



23.0598, 21.2570, 0.7498

Triad

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



32.7612, 21.2570, 2.3763



7.8077, 21.2570, 16.1723



26.6570, 21.2570, 102.9128

Complementary

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



32.7612, 21.2570, 2.3763



22.4283, 23.9748, 71.8515

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.



17.5945, 21.2570, 109.5579



32.7612, 21.2570, 2.3763



8.2620, 21.2570, 44.3406

Square

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



32.7612, 21.2570, 2.3763



9.8597, 21.2570, 4.1290



11.3522, 21.2570, 83.1810



36.0329, 21.2570, 68.6892

Rectangle

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



32.7612, 21.2570, 2.3763



17.2918, 21.2570, 0.7700



11.3522, 21.2570, 83.1810



23.4264, 21.2570, 109.0833

Sweetspot

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



32.7617, 21.2582, 2.3766



71.5279, 68.8980, 51.9119



34.8260, 17.3751, 27.7640



14.7424, 13.9687, 9.8223



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.7617, 21.2582, 2.3766



45.1957, 29.1714, 3.2486



47.7697, 51.2743, 7.3793



13.4449, 13.8292, 13.6863



19.1308, 12.5472, 1.4135



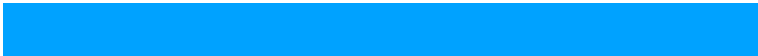
1.3200, 0.9740, 0.1184

Inverse Universe

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



22.4283, 23.9748, 71.8515



30.8878, 32.8955, 99.3293



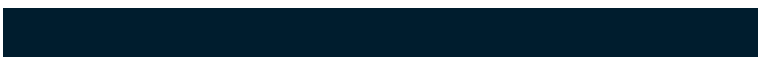
13.5992, 6.3167, 68.9085



13.0228, 13.9853, 16.6652



13.1404, 14.1502, 41.7771



0.9324, 1.0789, 2.7336

Previews

White Background



This preview shows how the XYZ color 32.7612, 21.2570, 2.3763 looks on a white 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

Black Background



This preview shows how the XYZ color 32.7612, 21.2570, 2.3763 looks on a black 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

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

XYZ 32.7612, 21.2570, 2.3763

Background



This preview shows how black text looks on a background with the XYZ color 32.7612, 21.2570, 2.3763.



This preview shows how white text looks on a background with the XYZ color 32.7612, 21.2570,

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

32.7612, 21.2570, 2.3763

Protanopia

19.3754, 21.4295, 3.9257

Deuteranopia

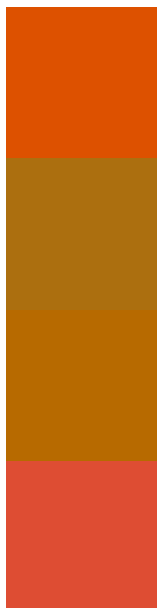
21.5353, 21.2518, 2.9670



Tritanopia

34.3955, 21.2993, 9.8878

Trichromacy



Original Color

32.7612, 21.2570, 2.3763

Protanomaly

22.7839, 20.1740, 3.1451

Deuteranomaly

24.6825, 20.3753, 2.6319

Tritanomaly

33.3756, 21.0764, 5.4410

Monochromacy



Original Color

32.7612, 21.2570, 2.3763

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

19.0908, 16.7561, 8.5314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7612, 21.2570, 2.3763 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(221, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 81, 0)  
}
```

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(221, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 81, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.7612, 21.2570, 2.3763 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(221, 81, 0) }
```


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

```
.border{ border-color:rgb(221, 81, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 81, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 81, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.7612, 21.2570, 2.3763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 81, 0) }
```

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

```
.background{ background-color: rgb(221, 81,  
0) }
```

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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