

Converting Colors

XYZ(32.3497, 20.3752, 3.8968)

Have a look what the booklet for
XYZ(32.3497, 20.3752, 3.8968)
contains.

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Color

**XYZ(32.3497, 20.3752,
3.8968)**

Conversions

Conversions Part 1

Format	Color
Hex	DC4B24
RGB	220, 75, 36
RGB Percent	86%, 29%, 14%
CMY	0.1373, 0.7058, 0.8588
CMYK	0.00, 0.66, 0.84, 0.14
HSL	13°, 72%, 50%
HSV	13°, 84%, 86%
XYZ	32.3497, 20.3752, 3.8968
YIQ	113.9090, 98.9390, 18.6110

Conversions

Conversions Part 2

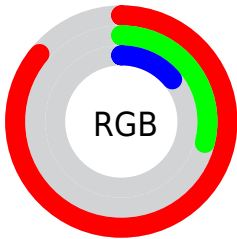
Format	Color
RYB	220, 85, 36
Decimal	14437156
CIELab	52.26, 54.88, 51.78
CIELCh	52, 75.450, 43.335
Yxy	20.3752, 0.5713, 0.3598
Android (android.graphics.Color)	4292627236 (0xFFDC4B24)
YUV	113.9090, -38.4091, 93.0418
Hunter-Lab	45.1389, 48.9326, 26.4788

Details

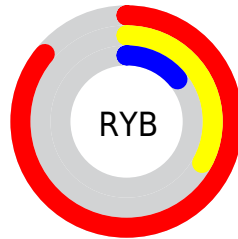
The XYZ color **32.3497, 20.3752, 3.8968** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **30.1676, 38.5860, 73.5674**, and the grayscale version is **16.0588, 16.8951, 18.3987**.

A 20% lighter version of the original color is **50.8623, 37.8811, 13.2254**, and **13.9480, 7.2549, 0.6652** is the 20% darker color. If you saturate the color by 10%, you get **31.0909, 18.2406, 2.2976**, and if you desaturate by 10%, it is **34.1358, 23.2353, 6.6888**.

Distribution



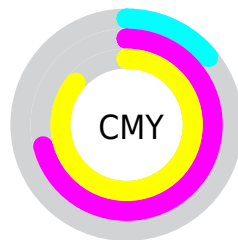
- Red (86%)
- Green (29%)
- Blue (14%)



- Red (86%)
- Yellow (33%)
- Blue (14%)



- Cyan (0%)
- Magenta (66%)
- Yellow (84%)
- Black (14%)





- Cyan (14%)
- Magenta (71%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3497, 20.3752, 3.8968 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 32.3497, 20.3752, 3.8968 by changing the saturation by 10% instead.


 32.3497, 20.3752,
3.8968

 32.3497, 20.3752,
3.8968


304.4262,
253.9391, 147.0713


 21.7856, 12.6681,
1.5689


 62.7204, 44.0453,
13.7710

 13.8152, 7.2004,
0.2685


 83.2577, 60.7772,
22.1545


 8.0731, 3.5877,
0.0000


 107.8501, 81.2860,
33.3935

 4.1939, 1.4457,
0.0000

 136.8630,
105.9562, 47.9066

 1.8124, 0.2501,
0.0000

 170.6617,
135.1722, 66.1124

 0.5251, 0.0000,
0.0000

 209.6116,

 0.0000, 0.0000,

169.3185, 88.4295

0.0000

254.0780,
208.7793, 115.2762

32.3497, 20.3752,
3.8968

32.3497, 20.3752,
3.8968

31.0909, 18.2406,
2.2976

34.1358, 23.2353,
6.6888

30.5172, 17.2200,
1.7154

36.5046, 26.8779,
10.8535

39.5048, 31.3580,
16.5411

43.1799, 36.7244,
23.8816

47.5688, 43.0220,
32.9912

■ 52.7078, 50.2927,
43.9753

■ 58.6305, 58.5758,
56.9314

■ 65.3683, 67.9083,
71.9497

■ 72.9510, 78.3256,
89.1153

Harmonies

Analogous

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



37.7814, 20.3752, 13.7274



32.3497, 20.3752, 3.8968



23.9606, 20.3752, 1.2742

Triad

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



32.3497, 20.3752, 3.8968



8.3123, 20.3752, 12.0605



23.0095, 20.3752, 94.9894

Complementary

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



32.3497, 20.3752, 3.8968



30.1676, 38.5860, 73.5674

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.



15.3999, 20.3752, 93.3071



32.3497, 20.3752, 3.8968



8.1855, 20.3752, 33.5533

Square

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



32.3497, 20.3752, 3.8968



10.8354, 20.3752, 3.3723



10.4249, 20.3752, 66.2396



31.4954, 20.3752, 69.9423

Rectangle

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



32.3497, 20.3752, 3.8968



18.5122, 20.3752, 1.0349



10.4249, 20.3752, 66.2396



20.2457, 20.3752, 97.8607

Sweetspot

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



32.3501, 20.3764, 3.8971



72.4468, 68.5832, 58.8541



38.7139, 19.9045, 46.7102



14.9487, 13.8919, 11.3999



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.



32.3501, 20.3764, 3.8971



42.5621, 23.9041, 2.3707



43.2524, 42.1809, 7.5312



13.2787, 13.4967, 13.6308



17.9764, 10.2383, 1.0287



1.2278, 0.7898, 0.0877

Inverse Universe

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



30.1676, 38.5860, 73.5674



38.9222, 48.9643, 102.0074



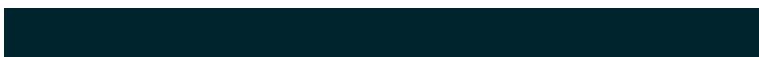
17.4040, 13.0588, 69.3129



13.1984, 14.3365, 16.7237



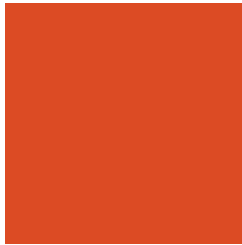
16.4758, 20.8211, 42.8889



1.1272, 1.4685, 2.7985

Previews

White Background



This preview shows how the XYZ color 32.3497, 20.3752, 3.8968 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 32.3497, 20.3752, 3.8968 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 32.3497, 20.3752, 3.8968

Background



This preview shows how black text looks on a background with the XYZ color 32.3497, 20.3752, 3.8968.



This preview shows how white text looks on a background with the XYZ color 32.3497, 20.3752,

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

32.3497, 20.3752, 3.8968

Protanopia

18.7032, 20.4644, 5.8700

Deuteranopia

20.8066, 20.5064, 3.4338



Tritanopia

33.3420, 20.3866, 8.8343

Trichromacy



Original Color

32.3497, 20.3752, 3.8968

Protanomaly

22.0745, 19.1323, 4.9123

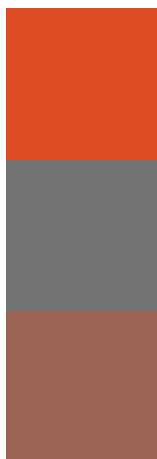
Deuteranomaly

24.0818, 19.5944, 3.4326

Tritanomaly

32.9785, 20.3438, 6.6035

Monochromacy



Original Color

32.3497, 20.3752, 3.8968

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

19.3738, 16.5585, 10.9791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3497, 20.3752, 3.8968 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(220, 75, 36)` looks like.

```
.text, #text, p{  
    color:rgb(220, 75, 36)  
}
```

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(220, 75, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 75, 36) }
```

Border

The CSS property to change the border of an element to XYZ 32.3497, 20.3752, 3.8968 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(220, 75, 36) }
```


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

```
.border{ border-color:rgb(220, 75, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 75, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 75, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 75, 36);  
box-shadow:4px 4px 4px 4px rgb(220, 75,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3497, 20.3752, 3.8968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 75, 36) }
```

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

```
.background{ background-color: rgb(220, 75,  
36) }
```

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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