

Converting Colors

XYZ(32.6681, 20.7073, 4.3546)

Have a look what the booklet for
XYZ(32.6681, 20.7073, 4.3546)
contains.

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Color

**XYZ(32.5693, 20.6835,
4.3735)**

Conversions

Conversions Part 1

Format	Color
Hex	DC4D29
RGB	220, 77, 41
RGB Percent	86%, 30%, 16%
CMY	0.1373, 0.6980, 0.8392
CMYK	0.00, 0.65, 0.81, 0.14
HSL	12°, 72%, 51%
HSV	12°, 81%, 86%
XYZ	32.5693, 20.6835, 4.3735
YIQ	115.6530, 96.7840, 19.1200

Conversions

Conversions Part 2

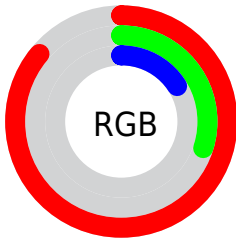
Format	Color
R _Y B	220, 86, 41
Decimal	14437673
CIE Lab	52.60, 54.19, 49.78
CIE LCh	53, 73.587, 42.573
Yxy	20.6835, 0.5652, 0.3589
Android (android.graphics.Color)	4292627753 (0xFFDC4D29)
YUV	115.6530, -36.8039, 91.5123
Hunter-Lab	45.4791, 48.2421, 26.1338

Details

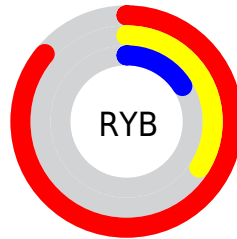
The XYZ color **32.5693, 20.6835, 4.3735** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **30.9712, 39.9157, 73.7818**, and the grayscale version is **16.5835, 17.4472, 19.0000**.

A 20% lighter version of the original color is **51.3367, 38.5007, 14.3985**, and **14.0132, 7.3852, 0.6869** is the 20% darker color. If you saturate the color by 10%, you get **31.2189, 18.4354, 2.5291**, and if you desaturate by 10%, it is **34.4670, 23.6840, 7.4576**.

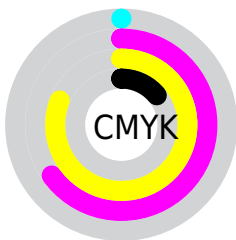
Distribution



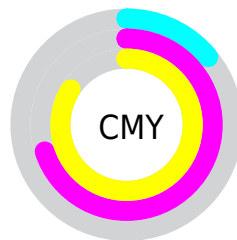
- Red (86%)
- Green (30%)
- Blue (16%)



- Red (86%)
- Yellow (34%)
- Blue (16%)



- Cyan (0%)
- Magenta (65%)
- Yellow (81%)
- Black (14%)





- Cyan (14%)
- Magenta (70%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5693, 20.6835, 4.3735 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 32.5693, 20.6835, 4.3735 by changing the saturation by 10% instead.


 32.5693, 20.6835,
4.3735


 32.5693, 20.6835,
4.3735


305.4039,
255.5917, 152.2905


 21.9544, 12.8928,
1.8324


 63.0617, 44.5602,
14.8624

 13.9398, 7.3548,
0.4492


 83.6699, 61.4150,
23.6473


 8.1602, 3.6850,
0.0000


 108.3398, 82.0600,
35.3505

 4.2503, 1.4989,
0.0000

 137.4369,
106.8796, 50.3906

 1.8447, 0.2880,
0.0000

 171.3265,
136.2582, 69.1861

 0.5444, 0.0000,
0.0000

 210.3740,

 0.0000, 0.0000,

170.5801, 92.1555

0.0000

254.9447,
210.2298, 119.7175

■ 32.5693, 20.6835,
4.3735

■ 32.5693, 20.6835,
4.3735

■ 31.2189, 18.4354,
2.5291

■ 34.4670, 23.6840,
7.4576

■ 30.4252, 17.0361,
1.6847

■ 36.9663, 27.4946,
11.9531

■ 40.1159, 32.1712,
18.0054

■ 43.9589, 37.7634,
25.7412

■ 48.5345, 44.3172,
35.2743

■ 53.8791, 51.8752,
46.7085

■ 60.0264, 60.4778,
60.1395

■ 67.0081, 70.1627,
75.6568

■ 74.8542, 80.9660,
93.3442

Harmonies

Analogous

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



37.7454, 20.6835, 14.5538



32.5693, 20.6835, 4.3735



24.3904, 20.6835, 1.5117

Triad

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



32.5693, 20.6835, 4.3735



8.7174, 20.6835, 12.1321



23.0303, 20.6835, 93.5021

Complementary

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



32.5693, 20.6835, 4.3735



30.9712, 39.9157, 73.7818

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.



15.5829, 20.6835, 91.1423



32.5693, 20.6835, 4.3735



8.5317, 20.6835, 32.9664

Square

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



32.5693, 20.6835, 4.3735



11.3074, 20.6835, 3.5825



10.7104, 20.6835, 64.6072



31.3542, 20.6835, 69.8235

Rectangle

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



32.5693, 20.6835, 4.3735



19.0074, 20.6835, 1.2209



10.7104, 20.6835, 64.6072



20.3254, 20.6835, 96.0188

Sweetspot

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



32.5698, 20.6847, 4.3738



73.0533, 69.3424, 60.4553



38.9806, 20.2705, 47.3152



15.0592, 14.0261, 11.7040



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.



32.5698, 20.6847, 4.3738



42.6519, 24.0390, 2.5384



43.6060, 42.7571, 8.0526



13.2671, 13.4736, 13.6270



17.9198, 10.1251, 1.0099



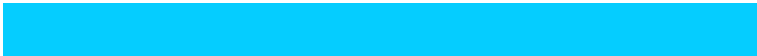
1.2224, 0.7790, 0.0859

Inverse Universe

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



30.9712, 39.9157, 73.7818



39.8802, 50.7856, 102.3084



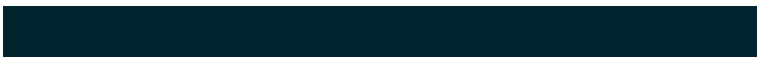
17.8979, 13.7692, 69.4240



13.2108, 14.3614, 16.7279



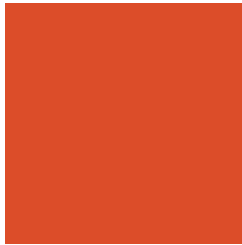
16.7445, 21.3585, 42.9785



1.1424, 1.4989, 2.8036

Previews

White Background



This preview shows how the XYZ color 32.5693, 20.6835, 4.3735 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 32.5693, 20.6835, 4.3735 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 32.5693, 20.6835, 4.3735

Background



This preview shows how black text looks on a background with the XYZ color 32.5693, 20.6835, 4.3735.



This preview shows how white text looks on a background with the XYZ color 32.5693, 20.6835,

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

32.5693, 20.6835, 4.3735

Protanopia

18.9419, 20.7635, 6.4994

Deuteranopia

21.2124, 20.8830, 3.9497



Tritanopia

33.5409, 20.6731, 9.2437

Trichromacy



Original Color

32.5693, 20.6835, 4.3735

Protanomaly

22.2791, 19.3819, 5.4726

Deuteranomaly

24.2671, 19.8287, 3.9148

Tritanomaly

33.1930, 20.6399, 7.0849

Monochromacy



Original Color

32.5693, 20.6835, 4.3735

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

19.8810, 17.0940, 11.7028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5693, 20.6835, 4.3735 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, 77, 41)` looks like.

```
.text, #text, p{  
    color:rgb(220, 77, 41)  
}
```

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, 77, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 77, 41) }
```

Border

The CSS property to change the border of an element to XYZ 32.5693, 20.6835, 4.3735 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, 77, 41) }
```


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

```
.border{ border-color:rgb(220, 77, 41) }
```

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

Here you see how a box with a 4 pixel rgb(220, 77, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 77, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 77, 41);  
box-shadow:4px 4px 4px 4px rgb(220, 77,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5693, 20.6835, 4.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 77, 41) }
```

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

```
.background{ background-color: rgb(220, 77,  
41) }
```

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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