

Converting Colors

XYZ(32.5056, 20.7880, 6.7983)

Have a look what the booklet for
XYZ(32.5056, 20.7880, 6.7983)
contains.

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Color

**XYZ(32.5789, 20.8452,
6.8639)**

Conversions

Conversions Part 1

Format	Color
Hex	DA4F3E
RGB	218, 79, 62
RGB Percent	85%, 31%, 24%
CMY	0.1451, 0.6902, 0.7569
CMYK	0.00, 0.64, 0.72, 0.15
HSL	7°, 68%, 55%
HSV	7°, 72%, 85%
XYZ	32.5789, 20.8452, 6.8639
YIQ	118.6230, 88.3010, 24.1810

Conversions

Conversions Part 2

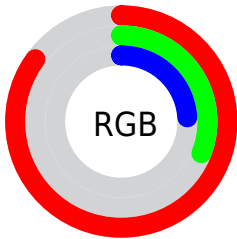
Format	Color
R_{YB}	218, 81, 62
Decimal	14307134
CIE _{Lab}	52.78, 53.46, 38.99
CIE _{LCh}	53, 66.164, 36.105
Yxy	20.8452, 0.5404, 0.3458
Android (android.graphics.Color)	4292497214 (0xFFDA4F3E)
YUV	118.6230, -27.9151, 87.1536
Hunter-Lab	45.6565, 47.4724, 23.0461

Details

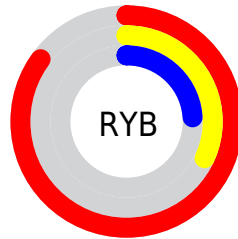
The XYZ color **32.5789, 20.8452, 6.8639** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **35.5261, 47.8553, 73.6937**, and the grayscale version is **17.4823, 18.3927, 20.0297**.

A 20% lighter version of the original color is **52.5796, 39.4360, 19.5925**, and **13.9823, 7.4500, 1.2314** is the 20% darker color. If you saturate the color by 10%, you get **30.8939, 18.2484, 3.9195**, and if you desaturate by 10%, it is **34.9139, 24.3588, 11.2083**.

Distribution



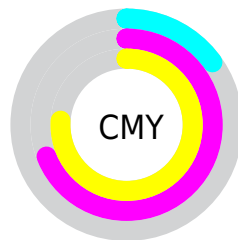
- Red (85%)
- Green (31%)
- Blue (24%)



- Red (85%)
- Yellow (32%)
- Blue (24%)



- Cyan (0%)
- Magenta (64%)
- Yellow (72%)
- Black (15%)





- Cyan (15%)
- Magenta (69%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5789, 20.8452, 6.8639 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 32.5789, 20.8452, 6.8639 by changing the saturation by 10% instead.

 32.5789, 20.8452,
6.8639


 32.5789, 20.8452,
6.8639


305.4466,
256.4547, 176.1158


 21.9617, 13.0109,
3.3000

 63.0766, 44.8298,
20.2071

 13.9452, 7.4360,
1.2498


 83.6879, 61.7488,
30.8234


 8.1640, 3.7363,
0.0201


 108.3612, 82.4649,
44.6276

 4.2528, 1.5272,
0.0000

 137.4620,
107.3624, 62.0382

 1.8461, 0.3077,
0.0000

 171.3556,
136.8257, 83.4738

 0.5452, 0.0000,
0.0000

 210.4073,

 0.0000, 0.0000,

171.2393, 109.3529

0.0000

254.9825,
210.9875, 140.0941

■ 32.5789, 20.8452,
6.8639

■ 32.5789, 20.8452,
6.8639

■ 30.8939, 18.2484,
3.9195

■ 34.9139, 24.3588,
11.2083

■ 29.7900, 16.4789,
2.2003


■ 37.9554, 28.8605,
17.0973


■ 29.2351, 15.5490,
1.4604


■ 41.7555, 34.4187,
24.6587


■ 46.3606, 41.0948,
34.0065

■ 51.8138, 48.9453,
45.2450

 58.1547, 58.0229,
58.4701

 65.4208, 68.3773,
73.7713

 73.6470, 80.0552,
91.2329

 82.3471, 92.8931,
108.1978

Harmonies

Analogous

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



36.1462, 20.8452, 18.8917



32.5789, 20.8452, 6.8639



25.6864, 20.8452, 2.6683

Triad

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



32.5789, 20.8452, 6.8639



9.9909, 20.8452, 10.5241



21.2572, 20.8452, 85.3042

Complementary

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



32.5789, 20.8452, 6.8639



35.5261, 47.8553, 73.6937

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.



14.9106, 20.8452, 78.1627



32.5789, 20.8452, 6.8639



9.3332, 20.8452, 26.9816

Square

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



32.5789, 20.8452, 6.8639



12.9789, 20.8452, 3.7601



10.9116, 20.8452, 53.2501



28.7025, 20.8452, 69.3065

Rectangle

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



32.5789, 20.8452, 6.8639



20.7276, 20.8452, 1.9779



10.9116, 20.8452, 53.2501



18.9252, 20.8452, 85.6133

Sweetspot

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



32.5794, 20.8464, 6.8642



74.2184, 70.2638, 65.1868



41.3439, 22.6339, 58.3151



15.3925, 14.3308, 12.9309



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.



32.5794, 20.8464, 6.8642



43.1494, 24.5765, 4.1147



41.6042, 38.8960, 9.8725



13.1698, 13.2789, 13.5945



17.5534, 9.3924, 0.8878



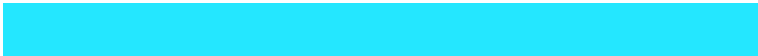
1.1765, 0.6872, 0.0706

Inverse Universe

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



35.5261, 47.8553, 73.6937



47.3684, 64.7922, 104.6173



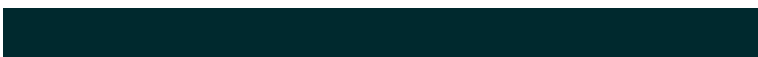
21.8994, 20.6020, 69.1515



13.3173, 14.5744, 16.7634



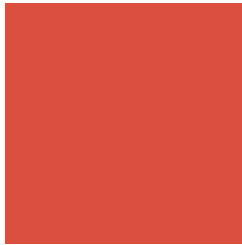
19.2190, 26.3075, 43.8033



1.2805, 1.7751, 2.8496

Previews

White Background



This preview shows how the XYZ color 32.5789, 20.8452, 6.8639 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 32.5789, 20.8452, 6.8639 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 32.5789, 20.8452, 6.8639

Background



This preview shows how black text looks on a background with the XYZ color 32.5789, 20.8452, 6.8639.



This preview shows how white text looks on a background with the XYZ color 32.5789, 20.8452,

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

32.5789, 20.8452, 6.8639

Protanopia

19.4458, 21.1321, 10.2617

Deuteranopia

21.2870, 20.8674, 6.3959



Tritanopia

33.2831, 20.8230, 10.0496

Trichromacy



Original Color

32.5789, 20.8452, 6.8639

Protanomaly

22.6820, 19.8352, 8.7640

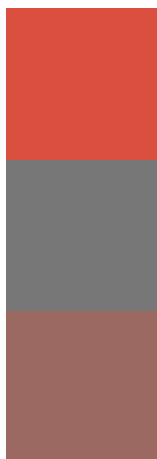
Deuteranomaly

24.3805, 19.9823, 6.4429

Tritanomaly

33.1033, 20.8622, 8.7606

Monochromacy



Original Color

32.5789, 20.8452, 6.8639

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

20.6725, 17.7510, 13.8920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5789, 20.8452, 6.8639 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(218, 79, 62)` looks like.

```
.text, #text, p{  
    color:rgb(218, 79, 62)  
}
```

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(218, 79, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 79, 62) }
```

Border

The CSS property to change the border of an element to XYZ 32.5789, 20.8452, 6.8639 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(218, 79, 62) }
```


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

```
.border{ border-color:rgb(218, 79, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 79, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 79, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 79, 62);  
box-shadow:4px 4px 4px 4px rgb(218, 79,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5789, 20.8452, 6.8639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 79, 62) }
```

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

```
.background{ background-color: rgb(218, 79,  
62) }
```

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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