

Converting Colors

XYZ(32.3593, 22.4396, 7.3941)

Have a look what the booklet for
XYZ(32.3593, 22.4396, 7.3941)
contains.

XYZ(32.2521, 22.3337, 7.3136)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.2521, 22.3337,
7.3136)**

Conversions

Conversions Part 1

Format	Color
Hex	D55D3F
RGB	213, 93, 63
RGB Percent	84%, 36%, 25%
CMY	0.1647, 0.6353, 0.7529
CMYK	0.00, 0.56, 0.70, 0.16
HSL	12°, 64%, 54%
HSV	12°, 70%, 84%
XYZ	32.2521, 22.3337, 7.3136
YIQ	125.4600, 81.1500, 16.1100

Conversions

Conversions Part 2

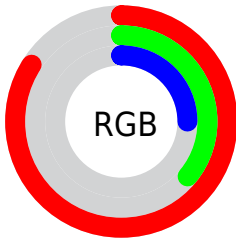
Format	Color
RYB	213, 101, 63
Decimal	13983039
CIELab	54.38, 45.39, 40.04
CIElCh	54, 60.527, 41.421
Yxy	22.3337, 0.5210, 0.3608
Android (android.graphics.Color)	4292173119 (0xFFD55D3F)
YUV	125.4600, -30.7928, 76.7726
Hunter-Lab	47.2585, 39.1168, 23.9054

Details

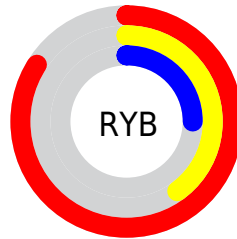
The XYZ color **32.2521, 22.3337, 7.3136** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **30.9922, 39.7249, 68.9845**, and the grayscale version is **19.7306, 20.7581, 22.6056**.

A 20% lighter version of the original color is **54.5983, 43.2973, 20.8088**, and **13.8089, 8.2335, 1.3917** is the 20% darker color. If you saturate the color by 10%, you get **30.4352, 19.4756, 4.3176**, and if you desaturate by 10%, it is **34.6334, 25.9527, 11.6335**.

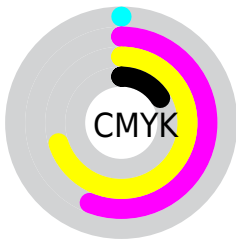
Distribution



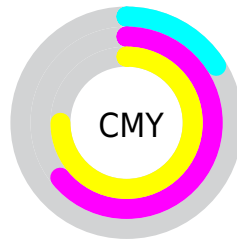
- Red (84%)
- Green (36%)
- Blue (25%)



- Red (84%)
- Yellow (40%)
- Blue (25%)



- Cyan (0%)
- Magenta (56%)
- Yellow (70%)
- Black (16%)





- Cyan (16%)
- Magenta (64%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2521, 22.3337, 7.3136 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 32.2521, 22.3337, 7.3136 by changing the saturation by 10% instead.

 32.2521, 22.3337,
7.3136


 32.2521, 22.3337,
7.3136


303.9910,
264.2840, 179.9732


 21.7106, 14.1023,
3.5776


 62.5686, 47.2969,
21.1249


 13.7598, 8.1919,
1.3966


 83.0744, 64.7975,
32.0372

 8.0344, 4.2180,
0.1391


 107.6322, 86.1567,
46.1788

 4.1690, 1.7962,
0.0000

 136.6076,
111.7587, 63.9680

 1.7982, 0.4848,
0.0000

 170.3658,
141.9881, 85.8236

 0.5166, 0.0000,
0.0000

 209.2722,

 0.0000, 0.0000,

177.2292, 112.1639

0.0000

253.6921,
217.8663, 143.4076

■ 32.2521, 22.3337,
7.3136

■ 32.2521, 22.3337,
7.3136

■ 30.4352, 19.4756,
4.3176

■ 34.6334, 25.9527,
11.6335

■ 29.1306, 17.3187,
2.4882

■ 37.6216, 30.3792,
17.4080


■ 28.2901, 15.8455,
1.5674


■ 41.2568, 35.6600,
24.7535


■ 45.5750, 41.8374,
33.7738

■ 50.6096, 48.9509,
44.5642

 56.3917, 57.0374,
57.2125

 62.9504, 66.1319,
71.8009

 70.3134, 76.2677,
88.4064

 78.5071, 87.4766,
107.1021

Harmonies

Analogous

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



36.2767, 22.3337, 17.8001



32.2521, 22.3337, 7.3136



25.5386, 22.3337, 3.5629

Triad

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



32.2521, 22.3337, 7.3136



11.3177, 22.3337, 14.4685



23.8443, 22.3337, 80.2687

Complementary

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



32.2521, 22.3337, 7.3136



30.9922, 39.7249, 68.9845

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.



17.4311, 22.3337, 77.6901



32.2521, 22.3337, 7.3136



11.0499, 22.3337, 32.2586

Square

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



32.2521, 22.3337, 7.3136



13.8821, 22.3337, 5.9643



13.0540, 22.3337, 57.2114



30.7923, 22.3337, 63.0841

Rectangle

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



32.2521, 22.3337, 7.3136



20.9139, 22.3337, 3.0643



13.0540, 22.3337, 57.2114



21.5442, 22.3337, 81.8516

Sweetspot

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



32.2526, 22.3349, 7.3140



75.4197, 72.6665, 65.5873



37.7651, 21.1201, 46.8857



15.6727, 14.8912, 13.0243



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.



32.2526, 22.3349, 7.3140



44.5818, 27.3774, 4.7896



42.3402, 42.5101, 10.6765



12.6224, 12.8191, 12.9698



17.3390, 9.7953, 0.9768



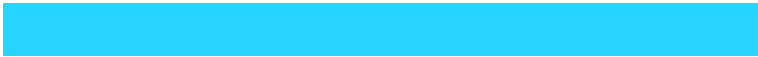
1.1051, 0.7094, 0.0787

Inverse Universe

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



30.9922, 39.7249, 68.9845



42.3123, 54.5442, 102.9057



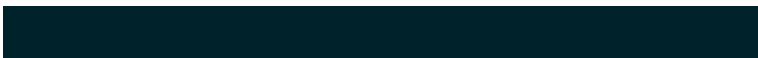
19.4228, 16.5861, 65.1281



12.5714, 13.6661, 15.9128



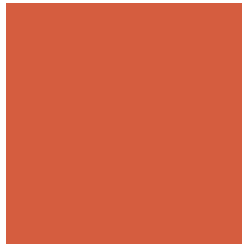
16.2356, 20.7329, 41.5993



1.0341, 1.3602, 2.5274

Previews

White Background



This preview shows how the XYZ color 32.2521, 22.3337, 7.3136 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 32.2521, 22.3337, 7.3136 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 32.2521, 22.3337, 7.3136

Background



This preview shows how black text looks on a background with the XYZ color 32.2521, 22.3337, 7.3136.



This preview shows how white text looks on a background with the XYZ color 32.2521, 22.3337,

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

32.2521, 22.3337, 7.3136

Protanopia

20.7485, 22.5940, 10.1050

Deuteranopia

22.8218, 22.3822, 6.8587



Tritanopia

33.6623, 22.4181, 13.3794

Trichromacy



Original Color

32.2521, 22.3337, 7.3136

Protanomaly

23.6471, 21.5023, 8.8653

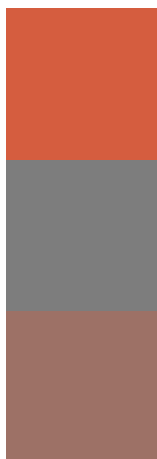
Deuteranomaly

25.7506, 21.9498, 7.0172

Tritanomaly

32.9491, 22.2330, 10.7384

Monochromacy



Original Color

32.2521, 22.3337, 7.3136

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

22.2080, 19.9377, 15.2482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2521, 22.3337, 7.3136 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(213, 93, 63)` looks like.

```
.text, #text, p{  
    color:rgb(213, 93, 63)  
}
```

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(213, 93, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 93, 63) }
```

Border

The CSS property to change the border of an element to XYZ 32.2521, 22.3337, 7.3136 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(213, 93, 63) }
```


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

```
.border{ border-color:rgb(213, 93, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 93, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 93, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 93, 63);  
box-shadow:4px 4px 4px 4px rgb(213, 93,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2521, 22.3337, 7.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 93, 63) }
```

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

```
.background{ background-color: rgb(213, 93,  
63) }
```

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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