

# Converting Colors

XYZ(32.8114, 22.6823, 9.3724)

Have a look what the booklet for  
XYZ(32.8114, 22.6823, 9.3724)  
contains.

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# Color

**XYZ(32.7133, 22.6595,  
9.3062)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D55E4B
RGB	213, 94, 75
RGB Percent	84%, 37%, 29%
CMY	0.1647, 0.6313, 0.7059
CMYK	0.00, 0.56, 0.65, 0.16
HSL	8°, 62%, 56%
HSV	8°, 65%, 84%
XYZ	32.7133, 22.6595, 9.3062
YIQ	127.4150, 77.0230, 19.3190

# Conversions

## Conversions Part 2

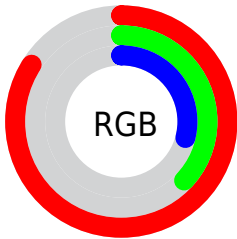
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 97, 75
Decimal	13983307
CIE <sub>Lab</sub>	54.72, 45.57, 33.83
CIE <sub>LCh</sub>	55, 56.759, 36.589
Yxy	22.6595, 0.5058, 0.3503
Android (android.graphics.Color)	4292173387 (0xFFD55E4B)
YUV	127.4150, -25.8406, 75.0580
Hunter-Lab	47.6020, 39.3662, 21.7302

# Details

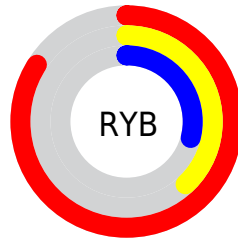
The XYZ color **32.7133, 22.6595, 9.3062** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **34.2024, 44.8808, 69.8108**, and the grayscale version is **20.3840, 21.4456, 23.3542**.

A 20% lighter version of the original color is **55.4680, 43.8950, 24.6179**, and **13.9762, 8.3550, 2.1043** is the 20% darker color. If you saturate the color by 10%, you get **30.6591, 19.5291, 5.6069**, and if you desaturate by 10%, it is **35.4011, 26.6671, 14.4206**.

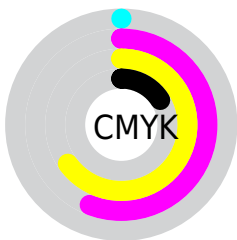
# Distribution



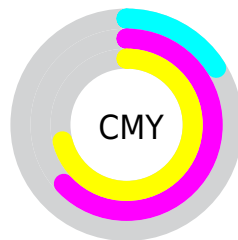
- Red (84%)
- Green (37%)
- Blue (29%)



- Red (84%)
- Yellow (38%)
- Blue (29%)



- Cyan (0%)
- Magenta (56%)
- Yellow (65%)
- Black (16%)




- Cyan (16%)
- Magenta (63%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7133, 22.6595, 9.3062 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 32.7133, 22.6595, 9.3062 by changing the saturation by 10% instead.





 32.7133, 22.6595,  
9.3062


 32.7133, 22.6595,  
9.3062


306.0437,  
265.9713, 195.9474


 22.0651, 14.3423,  
4.8419


 63.2853, 47.8336,  
25.0692


 14.0216, 8.3591,  
2.0977


 83.9399, 65.4593,  
37.2049


 8.2175, 4.3256,  
0.6144


 108.6606, 86.9566,  
52.7349

 4.2874, 1.8573,  
0.0000

 137.8128,  
112.7100, 72.0777

 1.8660, 0.5225,  
0.0000

 171.7618,  
143.1037, 95.6518

 0.5569, 0.0000,  
0.0000

210.8731,

 0.0000, 0.0000,

178.5222, 123.8757

0.0000

255.5120,  
219.3499, 157.1681

■ 32.7133, 22.6595,  
9.3062

■ 32.7133, 22.6595,  
9.3062

■ 30.6591, 19.5291,  
5.6069

■ 35.4011, 26.6671,  
14.4206

■ 29.1834, 17.2060,  
3.1782

■ 38.7682, 31.6074,  
21.0731

■ 28.2239, 15.6155,  
1.8462

■ 42.8577, 37.5358,  
29.3745

■ 27.8881, 15.0413,  
1.4334

■ 47.7087, 44.5022,  
39.4253

■ 53.3575, 52.5530,  
51.3176

■ 59.8380, 61.7319,  
65.1373

■ 67.1822, 72.0803,  
80.9649

■ 75.4203, 83.6374,  
98.8760

■ 81.2505, 92.8861,  
108.2542

# Harmonies

## Analogous

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



35.8355, 22.6595, 20.9262



32.7133, 22.6595, 9.3062



26.6797, 22.6595, 4.6372

# Triad

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



32.7133, 22.6595, 9.3062



12.2758, 22.6595, 13.3583



22.9473, 22.6595, 77.1677

# Complementary

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



32.7133, 22.6595, 9.3062



34.2024, 44.8808, 69.8108

# 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.



17.1020, 22.6595, 71.7216



32.7133, 22.6595, 9.3062



11.6602, 22.6595, 28.8408

# Square

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



32.7133, 22.6595, 9.3062



15.1325, 22.6595, 6.0592



13.2495, 22.6595, 51.4358



29.5337, 22.6595, 63.9664



# Rectangle

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



32.7133, 22.6595, 9.3062



22.2610, 22.6595, 3.7849



13.2495, 22.6595, 51.4358



20.8292, 22.6595, 77.5245

# Sweetspot

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



32.7138, 22.6607, 9.3066



76.2978, 73.4436, 68.8982



39.7618, 23.1005, 53.7560



15.8123, 14.9805, 13.6568



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.



32.7138, 22.6607, 9.3066



45.0874, 27.8088, 6.7455



41.7015, 40.6360, 12.3025



12.5598, 12.6939, 12.9489



17.0790, 9.2752, 0.8901



1.0758, 0.6508, 0.0689

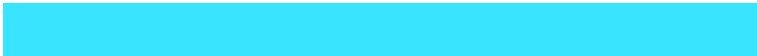


# Inverse Universe

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



34.2024, 44.8808, 69.8108



47.3218, 63.3342, 104.3384



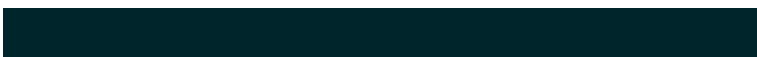
22.3218, 21.1198, 65.8506



12.6396, 13.8026, 15.9355



17.8199, 23.9016, 42.1274



1.1159, 1.5239, 2.5546



# Previews

## White Background



This preview shows how the XYZ color 32.7133, 22.6595, 9.3062 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

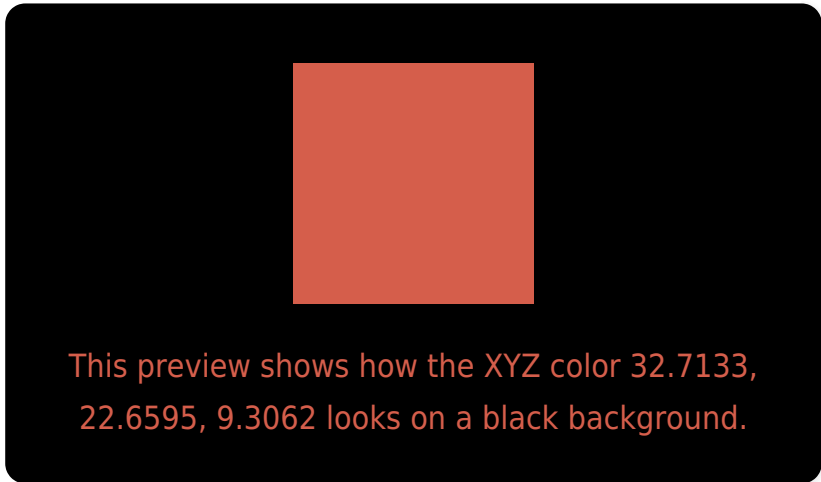
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



## 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 32.7133, 22.6595, 9.3062**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.7133, 22.6595, 9.3062.



This preview shows how white text looks on a background with the XYZ color 32.7133, 22.6595,



# 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

32.7133, 22.6595, 9.3062

### Protanopia

21.0748, 22.7047, 12.7229

### Deuteranopia

23.1057, 22.6740, 8.7889



## Tritanopia

33.6303, 22.6414, 13.9070

# Trichromacy



## Original Color

32.7133, 22.6595, 9.3062

## Protanomaly

24.2271, 21.9218, 11.3419

## Deuteranomaly

25.9770, 22.1929, 8.8757

## Tritanomaly

33.3619, 22.6717, 12.0689

# Monochromacy



## Original Color

32.7133, 22.6595, 9.3062

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

22.9381, 20.6133, 16.9572

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.7133, 22.6595, 9.3062 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, 94, 75)` looks like.

```
.text, #text, p{  
  color:rgb(213, 94, 75)  
}
```

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, 94, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 94, 75) }
```

## Border

The CSS property to change the border of an element to XYZ 32.7133, 22.6595, 9.3062 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, 94, 75) }
```



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

```
.border{ border-color:rgb(213, 94, 75) }
```

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

Here you see how a box with a 4 pixel rgb(213, 94, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 94, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 94, 75);  
box-shadow:4px 4px 4px 4px rgb(213, 94,  
75) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.7133, 22.6595, 9.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 94, 75) }
```

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

```
.background{ background-color: rgb(213, 94,  
75) }
```

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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