

Converting Colors

XYZ(31.0510, 21.7396, 12.5772)

Have a look what the booklet for
XYZ(31.0510, 21.7396, 12.5772)
contains.

XYZ(31.1113, 21.7572, 12.6850)	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(31.1113, 21.7572,
12.6850)**

Conversions

Conversions Part 1

Format	Color
Hex	CD5E5C
RGB	205, 94, 92
RGB Percent	80%, 37%, 36%
CMY	0.1961, 0.6313, 0.6392
CMYK	0.00, 0.54, 0.55, 0.20
HSL	1°, 53%, 58%
HSV	1°, 55%, 80%
XYZ	31.1113, 21.7572, 12.6850
YIQ	126.9610, 66.7980, 22.9100

Conversions

Conversions Part 2

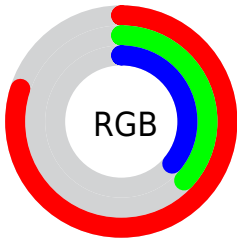
Format	Color
R _Y B	205, 94, 92
Decimal	13459036
CIE Lab	53.77, 43.86, 22.61
CIE LCh	54, 49.344, 27.272
Yxy	21.7572, 0.4746, 0.3319
Android (android.graphics.Color)	4291649116 (0xFFCD5E5C)
YUV	126.9610, -17.2358, 68.4402
Hunter-Lab	46.6446, 37.4289, 16.5273

Details

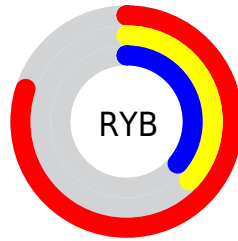
The XYZ color **31.1113, 21.7572, 12.6850** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **36.7876, 49.3921, 65.3522**, and the grayscale version is **20.2013, 21.2534, 23.1449**.

A 20% lighter version of the original color is **56.5562, 44.0804, 31.1187**, and **13.1401, 7.8941, 3.4159** is the 20% darker color. If you saturate the color by 10%, you get **28.7704, 18.3207, 8.0657**, and if you desaturate by 10%, it is **34.1628, 26.2269, 18.7375**.

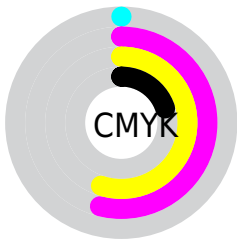
Distribution



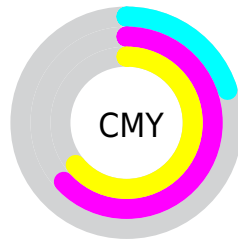
- Red (80%)
- Green (37%)
- Blue (36%)



- Red (80%)
- Yellow (37%)
- Blue (36%)



- Cyan (0%)
- Magenta (54%)
- Yellow (55%)
- Black (20%)





- Cyan (20%)
- Magenta (63%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1113, 21.7572, 12.6850 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 31.1113, 21.7572, 12.6850 by changing the saturation by 10% instead.


 31.1113, 21.7572,
12.6850


 31.1113, 21.7572,
12.6850

298.8685,
261.2757, 220.0254


 20.8359, 13.6786,
7.0838


 60.7899, 46.3444,
31.4195

 13.1158, 7.8975,
3.4353


 80.9238, 63.6217,
45.3900

 7.5859, 4.0294,
1.3210


 105.0745, 84.7341,
62.9873

 3.8807, 1.6900,
0.0789

 133.6075,
110.0660, 84.6300

 1.6349, 0.4172,
0.0000

166.8880,
140.0017, 110.7366

 0.4150, 0.0000,
0.0000

205.2814,

 0.0000, 0.0000,

174.9256, 141.7257

0.0000

249.1531,
215.2221, 178.0157

■ 31.1113, 21.7572,
12.6850

■ 31.1113, 21.7572,
12.6850

■ 28.7704, 18.3207,
8.0657

■ 34.1628, 26.2269,
18.7375

■ 27.0811, 15.8318,
4.7606

■ 37.9741, 31.7999,
26.3271

■ 25.9782, 14.1966,
2.6331

■ 42.5921, 38.5439,
35.5491

■ 25.3815, 13.3008,
1.5167

■ 48.0595, 46.5205,
46.4910

■ 25.2163, 13.0581,
1.1914

■ 54.4157, 55.7867,
59.2341

■ 61.6980, 66.3962,
73.8542

■ 69.9412, 78.3995,
90.4232

■ 78.9868, 91.7191,
108.1483

Harmonies

Analogous

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



32.6051, 21.7572, 25.1048



31.1113, 21.7572, 12.6850



26.6858, 21.7572, 6.6545

Triad

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



31.1113, 21.7572, 12.6850



13.2438, 21.7572, 11.1653



20.1988, 21.7572, 66.3718

Complementary

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



31.1113, 21.7572, 12.6850



36.7876, 49.3921, 65.3522

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.



15.6498, 21.7572, 57.6519



31.1113, 21.7572, 12.6850



12.0870, 21.7572, 22.3292

Square

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



31.1113, 21.7572, 12.6850



16.3571, 21.7572, 6.0769



12.8870, 21.7572, 39.7166



25.7034, 21.7572, 60.1990

Rectangle

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



31.1113, 21.7572, 12.6850



23.0044, 21.7572, 5.1137



12.8870, 21.7572, 39.7166



18.5169, 21.7572, 65.0229

Sweetspot

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



31.1118, 21.7584, 12.6854



76.7280, 73.2928, 72.1590



39.7973, 24.9509, 59.2911



16.0213, 15.1018, 14.6409



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.



31.1118, 21.7584, 12.6854



46.5779, 29.2029, 12.1345



38.0762, 35.6871, 15.0068



11.2280, 11.2450, 11.6582



15.7055, 8.1439, 0.7442



0.8159, 0.4316, 0.0403

Inverse Universe

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



36.7876, 49.3921, 65.3522



56.7669, 78.8606, 106.8374



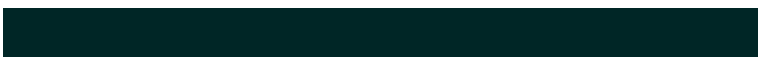
25.8074, 27.4316, 61.6921



11.5255, 12.6915, 14.4126



19.9231, 28.8702, 40.4787



1.0334, 1.5005, 2.0901

Previews

White Background



This preview shows how the XYZ color 31.1113, 21.7572, 12.6850 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 31.1113, 21.7572, 12.6850 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 31.1113, 21.7572, 12.6850

Background



This preview shows how black text looks on a background with the XYZ color 31.1113, 21.7572, 12.6850.



This preview shows how white text looks on a background with the XYZ color 31.1113, 21.7572,

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

31.1113, 21.7572, 12.6850

Protanopia

20.7104, 22.0175, 17.3456

Deuteranopia

22.1297, 21.7241, 12.0436



Tritanopia

31.3433, 21.7087, 14.3426

Trichromacy



Original Color

31.1113, 21.7572, 12.6850

Protanomaly

23.3416, 21.0272, 15.3988

Deuteranomaly

24.8309, 21.1938, 12.2333

Tritanomaly

31.2025, 21.6524, 13.6011

Monochromacy



Original Color

31.1113, 21.7572, 12.6850

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.6856, 20.4449, 18.6702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1113, 21.7572, 12.6850 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(205, 94, 92)` looks like.

```
.text, #text, p{  
  color:rgb(205, 94, 92)  
}
```

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(205, 94, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 94, 92) }
```

Border

The CSS property to change the border of an element to XYZ 31.1113, 21.7572, 12.6850 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(205, 94, 92) }
```


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

```
.border{ border-color:rgb(205, 94, 92) }
```

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

Here you see how a box with a 4 pixel rgb(205, 94, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 94, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 94, 92);  
box-shadow:4px 4px 4px 4px rgb(205, 94,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1113, 21.7572, 12.6850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 94, 92) }
```

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

```
.background{ background-color: rgb(205, 94,  
92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor