

Converting Colors

XYZ(29.6963, 21.8081, 13.6939)

Have a look what the booklet for
XYZ(29.6963, 21.8081, 13.6939)
contains.

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Color

**XYZ(29.6944, 21.8292,
13.7147)**

Conversions

Conversions Part 1

Format	Color
Hex	C56460
RGB	197, 100, 96
RGB Percent	77%, 39%, 38%
CMY	0.2275, 0.6078, 0.6235
CMYK	0.00, 0.49, 0.51, 0.23
HSL	2°, 47%, 57%
HSV	2°, 51%, 77%
XYZ	29.6944, 21.8292, 13.7147
YIQ	128.5470, 59.0960, 19.3200

Conversions

Conversions Part 2

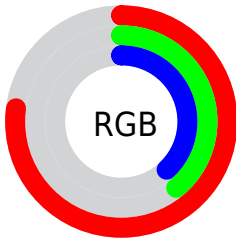
Format	Color
R_{YB}	197, 100, 96
Decimal	12936288
CIE _{Lab}	53.85, 38.22, 20.17
CIE _{LCh}	54, 43.211, 27.823
Yxy	21.8292, 0.4552, 0.3346
Android (android.graphics.Color)	4291126368 (0xFFC56460)
YUV	128.5470, -16.0457, 60.0333
Hunter-Lab	46.7217, 31.6842, 15.3012

Details

The XYZ color **29.6944, 21.8292, 13.7147** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **33.9705, 44.6552, 59.6519**, and the grayscale version is **20.7484, 21.8289, 23.7717**.

A 20% lighter version of the original color is **57.8977, 46.1490, 33.4599**, and **12.3215, 7.9159, 3.8961** is the 20% darker color. If you saturate the color by 10%, you get **27.2898, 18.2941, 8.9852**, and if you desaturate by 10%, it is **32.7487, 26.3000, 19.7822**.

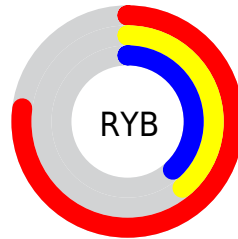
Distribution



Red (77%)

Green (39%)

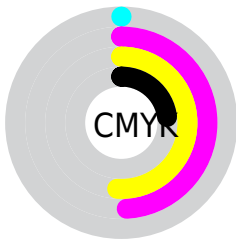
Blue (38%)



Red (77%)

Yellow (39%)

Blue (38%)

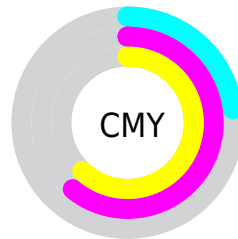


Cyan (0%)

Magenta (49%)

Yellow (51%)

Black (23%)



Cyan (23%)


Magenta (61%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6944, 21.8292, 13.7147 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 29.6944, 21.8292, 13.7147 by changing the saturation by 10% instead.


 29.6944, 21.8292,
13.7147


 29.6944, 21.8292,
13.7147


292.4128,
261.6530, 226.8150


 19.7537, 13.7315,
7.7860


 58.5685, 46.4635,
33.2918

 12.3233, 7.9341,
3.8725


 78.2326, 63.7689,
47.7772

 7.0380, 4.0528,
1.5557


 101.8685, 84.9123,
65.9520

 3.5324, 1.7032,
0.2589

 129.8416,
110.2781, 88.2347

 1.4412, 0.4257,
0.0000

162.5172,
140.2506, 115.0438

 0.2853, 0.0000,
0.0000

200.2607,

 0.0000, 0.0000,

175.2144, 146.7979

0.0000

243.4375,
215.5537, 183.9154

■ 29.6944, 21.8292,
13.7147

■ 29.6944, 21.8292,
13.7147

■ 27.2898, 18.2941,
8.9852

■ 32.7487, 26.3000,
19.7822

■ 25.4862, 15.6253,
5.4916

■ 36.4933, 31.7629,
27.2773

■ 24.2312, 13.7492,
3.1189

■ 40.9674, 38.2738,
36.2830

■ 23.4621, 12.5784,
1.7299

■ 46.2069, 45.8832,
46.8758

■ 23.1106, 12.0398,
1.1059

■ 52.2452, 54.6388,
59.1269

■ 59.1138, 64.5852,
73.1032

■ 66.8425, 75.7645,
88.8679

■ 75.4596, 88.2171,
106.4811

■ 76.8358, 90.6102,
108.0476

Harmonies

Analogous

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



31.0170, 21.8292, 24.7536



29.6944, 21.8292, 13.7147



25.8785, 21.8292, 8.0236

Triad

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



29.6944, 21.8292, 13.7147



14.0678, 21.8292, 12.5807



20.4105, 21.8292, 59.5989

Complementary

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



29.6944, 21.8292, 13.7147



33.9705, 44.6552, 59.6519

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.



16.3448, 21.8292, 52.6673



29.6944, 21.8292, 13.7147



13.0398, 21.8292, 22.8095

Square

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



29.6944, 21.8292, 13.7147



16.8513, 21.8292, 7.5615



13.8075, 21.8292, 37.8219



25.2034, 21.8292, 54.3366

Rectangle

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



29.6944, 21.8292, 13.7147



22.6901, 21.8292, 6.5048



13.8075, 21.8292, 37.8219



18.9200, 21.8292, 58.5764

Sweetspot

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



29.6949, 21.8303, 13.7151



78.8726, 76.5381, 76.0916



36.9052, 24.1147, 53.5325



16.4524, 15.7584, 15.4182



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.



29.6949, 21.8303, 13.7151



48.2602, 31.8556, 14.8900



36.0223, 34.4850, 15.8242



10.6670, 10.7032, 11.0665



15.2155, 7.9482, 0.7322



0.7325, 0.4004, 0.0387

Inverse Universe

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



33.9705, 44.6552, 59.6519



56.7613, 77.3403, 106.5443



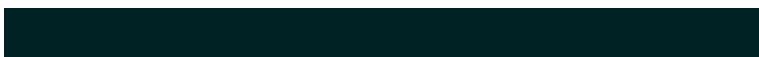
24.7444, 26.2030, 56.5765



10.9093, 11.9926, 13.6573



18.6397, 26.6734, 38.9104



0.8941, 1.2859, 1.8462

Previews

White Background



This preview shows how the XYZ color 29.6944, 21.8292, 13.7147 looks on a white background.

Color Contrast Check

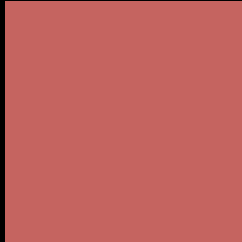
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6944, 21.8292, 13.7147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

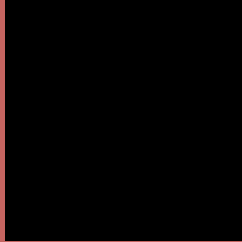
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6944, 21.8292, 13.7147

Background



This preview shows how black text looks on a background with the XYZ color 29.6944, 21.8292, 13.7147.



This preview shows how white text looks on a background with the XYZ color 29.6944, 21.8292,

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

29.6944, 21.8292, 13.7147

Protanopia

20.7639, 22.0389, 17.6276

Deuteranopia

22.4658, 22.0580, 13.1988



Tritanopia

30.3521, 21.9701, 16.2766

Trichromacy



Original Color

29.6944, 21.8292, 13.7147

Protanomaly

23.0777, 21.2254, 15.9773

Deuteranomaly

24.6841, 21.5978, 13.2237

Tritanomaly

30.1488, 21.8888, 15.2063

Monochromacy



Original Color

29.6944, 21.8292, 13.7147

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

23.0157, 21.1112, 19.6914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6944, 21.8292, 13.7147 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(197, 100, 96)` looks like.

```
.text, #text, p{  
    color:rgb(197, 100, 96)  
}
```

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(197, 100, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 100, 96) }
```

Border

The CSS property to change the border of an element to XYZ 29.6944, 21.8292, 13.7147 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(197, 100, 96) }
```


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

```
.border{ border-color:rgb(197, 100, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 100, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 100, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 100, 96);  
box-shadow:4px 4px 4px 4px rgb(197, 100,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6944, 21.8292, 13.7147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 100, 96) }
```

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

```
.background{ background-color: rgb(197,  
100, 96) }
```

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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