

Converting Colors

XYZ(29.8191, 19.5892, 12.2992)

Have a look what the booklet for
XYZ(29.8191, 19.5892, 12.2992)
contains.

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Color

**XYZ(29.8509, 19.6447,
12.3437)**

Conversions

Conversions Part 1

Format	Color
Hex	CC525C
RGB	204, 82, 92
RGB Percent	80%, 32%, 36%
CMY	0.2000, 0.6784, 0.6392
CMYK	0.00, 0.60, 0.55, 0.20
HSL	355°, 54%, 56%
HSV	355°, 60%, 80%
XYZ	29.8509, 19.6447, 12.3437
YIQ	119.6180, 69.5020, 28.9740

Conversions

Conversions Part 2

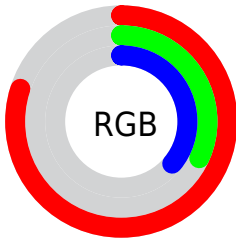
Format	Color
R_{YB}	204, 82, 92
Decimal	13390428
CIE _{Lab}	51.43, 49.21, 19.47
CIE _{LCh}	51, 52.919, 21.585
Yxy	19.6447, 0.4827, 0.3177
Android (android.graphics.Color)	4291580508 (0xFFCC525C)
YUV	119.6180, -13.6157, 74.0030
Hunter-Lab	44.3223, 42.6549, 14.5135

Details

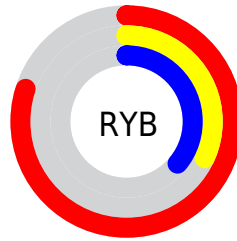
The XYZ color **29.8509, 19.6447, 12.3437** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **34.8115, 48.8750, 58.6419**, and the grayscale version is **17.7580, 18.6828, 20.3456**.

A 20% lighter version of the original color is **54.9266, 40.8213, 30.5755**, and **12.3214, 6.7798, 3.2440** is the 20% darker color. If you saturate the color by 10%, you get **27.8147, 16.7247, 8.1129**, and if you desaturate by 10%, it is **32.5476, 23.5621, 17.7935**.

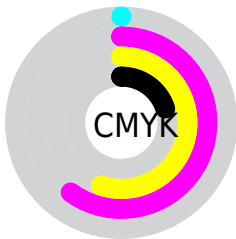
Distribution



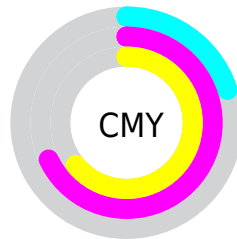
- Red (80%)
- Green (32%)
- Blue (36%)



- Red (80%)
- Yellow (32%)
- Blue (36%)



- Cyan (0%)
- Magenta (60%)
- Yellow (55%)
- Black (20%)





- Cyan (20%)
- Magenta (68%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8509, 19.6447, 12.3437 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 29.8509, 19.6447, 12.3437 by changing the saturation by 10% instead.


 29.8509, 19.6447,
12.3437


 29.8509, 19.6447,
12.3437


293.1312,
249.9851, 217.7256


 19.8730, 12.1370,
6.8528


 58.8146, 42.8207,
30.7933

 12.4105, 6.8371,
3.2932


 78.5310, 59.2578,
44.5890


 7.0980, 3.3604,
1.2462


 102.2243, 79.4402,
61.9902

 3.5704, 1.3227,
0.0171

 130.2598,
103.7523, 83.4153

 1.4621, 0.1587,
0.0000

 163.0029,
132.5784, 109.2828

 0.2998, 0.0000,
0.0000

200.8189,

 0.0000, 0.0000,

166.3030, 140.0114

0.0000

244.0732,
205.3104, 176.0195

■ 29.8509, 19.6447,
12.3437

■ 29.8509, 19.6447,
12.3437

■ 27.8147, 16.7247,
8.1129

■ 32.5476, 23.5621,
17.7935

■ 26.3805, 14.7091,
5.0060

■ 35.9538, 28.5527,
24.5453

■ 25.4820, 13.4928,
2.9155

■ 40.1155, 34.6887,
32.6761

■ 25.0080, 12.8869,
1.7032

■ 45.0744, 42.0349,
42.2565

■ 25.0006, 12.8769,
1.6863

■ 50.8690, 50.6515,
53.3525

■ 57.5356, 60.5946,
66.0257

■ 65.1081, 71.9169,
80.3346

■ 73.6187, 84.6684,
96.3346

■ 78.7117, 91.5773,
108.1354

Harmonies

Analogous

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



30.6863, 19.6447, 25.9550



29.8509, 19.6447, 12.3437



25.7523, 19.6447, 5.6962

Triad

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



29.8509, 19.6447, 12.3437



11.7667, 19.6447, 7.8904



17.2187, 19.6447, 65.2443

Complementary

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



29.8509, 19.6447, 12.3437



34.8115, 48.8750, 58.6419

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.



13.0248, 19.6447, 53.4061



29.8509, 19.6447, 12.3437



10.2911, 19.6447, 17.3939

Square

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



29.8509, 19.6447, 12.3437



15.1656, 19.6447, 4.1038



10.7034, 19.6447, 34.0341



22.6804, 19.6447, 61.6652

Rectangle

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



29.8509, 19.6447, 12.3437



22.0822, 19.6447, 3.9227



10.7034, 19.6447, 34.0341



15.6318, 19.6447, 62.7914

Sweetspot

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



29.8514, 19.6458, 12.3440



76.0575, 71.7070, 72.6898



36.1223, 21.8427, 59.4387



15.7174, 14.5140, 14.4780



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.



29.8514, 19.6458, 12.3440



45.2162, 26.4965, 11.6284



34.7903, 30.1773, 11.9753



11.2490, 11.2283, 11.8459



15.7499, 8.1106, 1.1360



0.8257, 0.4237, 0.1282

Inverse Universe

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



29.8514, 19.6458, 12.3440



45.2162, 26.4965, 11.6284



25.7984, 28.9918, 61.3627



11.2490, 11.2283, 11.8459



15.7499, 8.1106, 1.1360



0.8257, 0.4237, 0.1282

Previews

White Background



This preview shows how the XYZ color 29.8509, 19.6447, 12.3437 looks on a white background.

Color Contrast Check

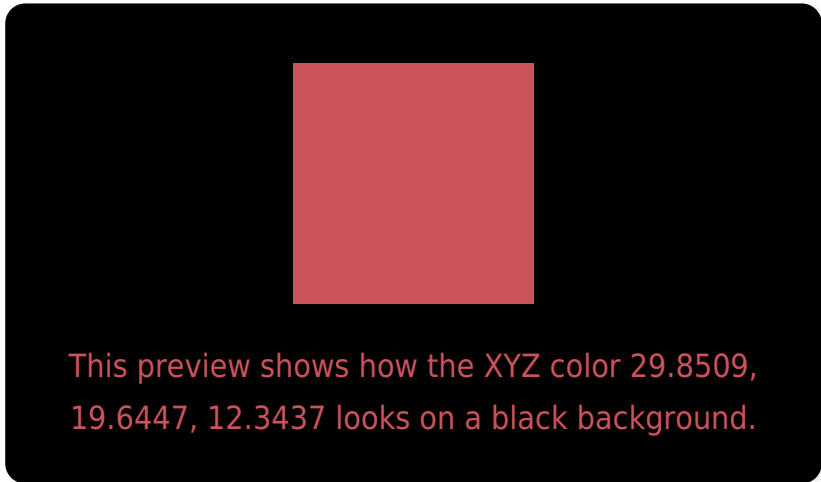
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8509, 19.6447, 12.3437

Background



This preview shows how black text looks on a background with the XYZ color 29.8509, 19.6447, 12.3437.



This preview shows how white text looks on a background with the XYZ color 29.8509, 19.6447,

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

29.8509, 19.6447, 12.3437

Protanopia

18.8543, 19.9028, 17.8868

Deuteranopia

20.1908, 19.8318, 11.5678



Tritanopia

29.7565, 19.7285, 11.4721

Trichromacy



Original Color

29.8509, 19.6447, 12.3437

Protanomaly

21.5716, 18.7925, 15.5871

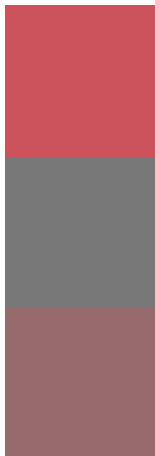
Deuteranomaly

22.9615, 19.1326, 11.7153

Tritanomaly

29.7983, 19.7452, 11.6918

Monochromacy



Original Color

29.8509, 19.6447, 12.3437

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

20.7310, 18.0132, 17.1361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8509, 19.6447, 12.3437 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(204, 82, 92)` looks like.

```
.text, #text, p{  
    color:rgb(204, 82, 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(204, 82, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 82, 92) }
```

Border

The CSS property to change the border of an element to XYZ 29.8509, 19.6447, 12.3437 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(204, 82, 92) }
```


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

```
.border{ border-color:rgb(204, 82, 92) }
```

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

Here you see how a box with a 4 pixel rgb(204, 82, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 82, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 82, 92);  
box-shadow:4px 4px 4px 4px rgb(204, 82,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8509, 19.6447, 12.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 82, 92) }
```

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

```
.background{ background-color: rgb(204, 82,  
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](#).

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