

Converting Colors

XYZ(24.2456, 12.6454, 10.6467)

Have a look what the booklet for
XYZ(24.2456, 12.6454, 10.6467)
contains.

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Color

**XYZ(24.2842, 12.6563,
10.6142)**

Conversions

Conversions Part 1

Format	Color
Hex	C21359
RGB	194, 19, 89
RGB Percent	76%, 7%, 35%
CMY	0.2392, 0.9254, 0.6510
CMYK	0.00, 0.90, 0.54, 0.24
HSL	336°, 82%, 42%
HSV	336°, 90%, 76%
XYZ	24.2842, 12.6563, 10.6142
YIQ	79.3050, 81.8300, 58.8700

Conversions

Conversions Part 2

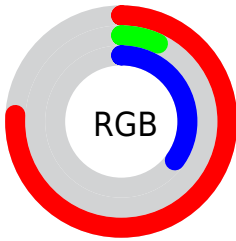
Format	Color
R_{YB}	194, 19, 89
Decimal	12718937
CIE Lab	42.24, 66.23, 8.37
CIE LCh	42, 66.761, 7.201
Yxy	12.6563, 0.5107, 0.2661
Android (android.graphics.Color)	4290909017 (0xFFC21359)
YUV	79.3050, 4.7796, 100.5875
Hunter-Lab	35.5757, 59.5878, 7.2135

Details

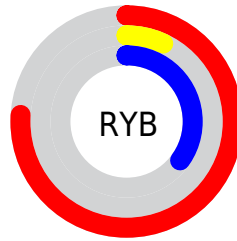
The XYZ color **24.2842, 12.6563, 10.6142** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **23.2001, 40.1779, 25.6080**, and the grayscale version is **7.4725, 7.8617, 8.5614**.

A 20% lighter version of the original color is **49.5564, 30.4364, 27.6890**, and **10.1275, 5.1684, 2.8467** is the 20% darker color. If you saturate the color by 10%, you get **23.6085, 12.0135, 8.2047**, and if you desaturate by 10%, it is **25.2862, 13.8152, 13.5540**.

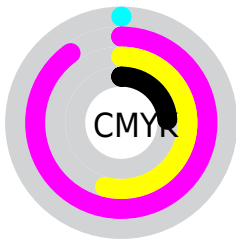
Distribution



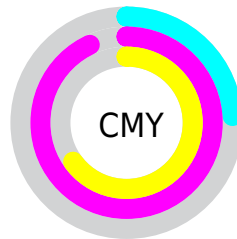
- Red (76%)
- Green (7%)
- Blue (35%)



- Red (76%)
- Yellow (7%)
- Blue (35%)



- Cyan (0%)
- Magenta (90%)
- Yellow (54%)
- Black (24%)





- Cyan (24%)
- Magenta (93%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2842, 12.6563, 10.6142 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 24.2842, 12.6563, 10.6142 by changing the saturation by 10% instead.


 24.2842, 12.6563,
10.6142


 24.2842, 12.6563,
10.6142


266.6681,
208.7030, 205.6428


 15.6705, 7.1923,
5.6972


 49.9449, 30.6849,
27.5702


 9.3806, 3.5827,
2.5960


 67.7225, 44.0183,
40.4462


 5.0494, 1.4430,
0.8904

 89.2855, 60.7437,
56.8123

 2.3113, 0.2481,
0.0000

 114.9992, 81.2453,
77.0870

 0.8004, 0.0000,
0.0000

 145.2289,
105.9077, 101.6889

 0.0000, 0.0000,
0.0000

 180.3401,

135.1152, 131.0364

220.6980,
169.2522, 165.5482

■ 24.2842, 12.6563,
10.6142

■ 24.2842, 12.6563,
10.6142

■ 23.6085, 12.0135,
8.2047

■ 25.2862, 13.8152,
13.5540

■ 26.6926, 15.6536,
17.0266

■ 28.5508, 18.2614,
21.0637

■ 30.9010, 21.7141,
25.6937

■ 33.7787, 26.0781,
30.9423

■ 37.2158, 31.4130,
36.8338

■ 41.2418, 37.7734,
43.3909

■ 45.8840, 45.2098,
50.6351

■ 51.1678, 53.7693,
58.5868

Harmonies

Analogous

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



23.2233, 12.6563, 27.4108



24.2842, 12.6563, 10.6142



21.4075, 12.6563, 2.9472

Triad

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



24.2842, 12.6563, 10.6142



7.1097, 12.6563, 1.4347



8.6806, 12.6563, 57.8222

Complementary

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



24.2842, 12.6563, 10.6142



23.2001, 40.1779, 25.6080

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.



5.8900, 12.6563, 37.9745



24.2842, 12.6563, 10.6142



5.1737, 12.6563, 5.6381

Square

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



24.2842, 12.6563, 10.6142



10.8660, 12.6563, 0.4610



4.7991, 12.6563, 17.5212



13.2731, 12.6563, 62.9914

Rectangle

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



24.2842, 12.6563, 10.6142



18.0131, 12.6563, 1.1830



4.7991, 12.6563, 17.5212



7.5436, 12.6563, 52.2020

Sweetspot

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



24.2845, 12.6571, 10.6144



69.3353, 59.9112, 69.8987



18.2842, 8.6472, 51.7443



14.6601, 12.2980, 14.4376



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.



24.2845, 12.6571, 10.6144



42.6552, 21.7184, 14.2461



23.0125, 12.8098, 1.8767



10.2363, 10.1431, 11.3351



15.5600, 7.9138, 5.5951



0.7063, 0.3555, 0.4209

Inverse Universe

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



24.2845, 12.6571, 10.6144



42.6552, 21.7184, 14.2461



25.6305, 35.2816, 56.4980



10.2363, 10.1431, 11.3351



15.5600, 7.9138, 5.5951



0.7063, 0.3555, 0.4209

Previews

White Background



This preview shows how the XYZ color 24.2842, 12.6563, 10.6142 looks on a white 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

Black Background



This preview shows how the XYZ color 24.2842, 12.6563, 10.6142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

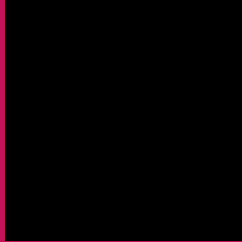
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.2842, 12.6563, 10.6142

Background



This preview shows how black text looks on a background with the XYZ color 24.2842, 12.6563, 10.6142.



This preview shows how white text looks on a background with the XYZ color 24.2842, 12.6563,

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

24.2842, 12.6563, 10.6142

Protanopia

13.1073, 13.0795, 21.9125

Deuteranopia

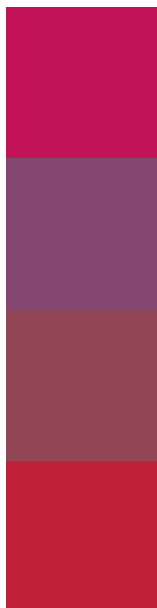
13.2311, 12.9950, 9.5955



Tritanopia

22.8300, 12.8040, 3.1876

Trichromacy



Original Color

24.2842, 12.6563, 10.6142

Protanomaly

14.5939, 10.5240, 16.8849

Deuteranomaly

15.5824, 11.0073, 9.6908

Tritanomaly

23.2474, 12.6659, 5.0904

Monochromacy



Original Color

24.2842, 12.6563, 10.6142

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

10.9096, 7.6157, 9.0786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2842, 12.6563, 10.6142 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(194, 19, 89)` looks like.

```
.text, #text, p{  
    color:rgb(194, 19, 89)  
}
```

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(194, 19, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 19, 89) }
```

Border

The CSS property to change the border of an element to XYZ 24.2842, 12.6563, 10.6142 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(194, 19, 89) }
```


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

```
.border{ border-color:rgb(194, 19, 89) }
```

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

Here you see how a box with a 4 pixel rgb(194, 19, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 19, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 19, 89);  
box-shadow:4px 4px 4px 4px rgb(194, 19,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2842, 12.6563, 10.6142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 19, 89) }
```

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

```
.background{ background-color: rgb(194, 19,  
89) }
```

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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