

Converting Colors

XYZ(24.4284, 13.1198, 10.3722)

Have a look what the booklet for
XYZ(24.4284, 13.1198, 10.3722)
contains.

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Color

**XYZ(24.4996, 13.1539,
10.4802)**

Conversions

Conversions Part 1

Format	Color
Hex	C21F58
RGB	194, 31, 88
RGB Percent	76%, 12%, 35%
CMY	0.2392, 0.8784, 0.6549
CMYK	0.00, 0.84, 0.55, 0.24
HSL	339°, 72%, 44%
HSV	339°, 84%, 76%
XYZ	24.4996, 13.1539, 10.4802
YIQ	86.2350, 78.8510, 52.2830

Conversions

Conversions Part 2

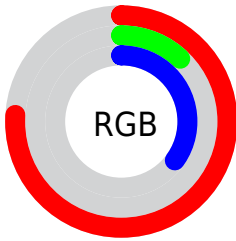
Format	Color
R_{YB}	194, 31, 88
Decimal	12722008
CIE Lab	42.99, 63.92, 10.06
CIE LCh	43, 64.708, 8.941
Yxy	13.1539, 0.5090, 0.2733
Android (android.graphics.Color)	4290912088 (0xFFC21F58)
YUV	86.2350, 0.8701, 94.5099
Hunter-Lab	36.2683, 57.1090, 8.2552

Details

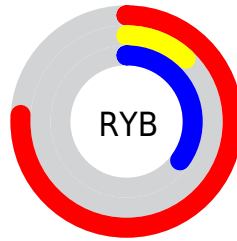
The XYZ color **24.4996, 13.1539, 10.4802** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **24.3737, 40.6816, 30.2403**, and the grayscale version is **8.8833, 9.3460, 10.1777**.

A 20% lighter version of the original color is **50.0103, 31.4607, 27.4814**, and **10.2676, 5.2428, 2.7563** is the 20% darker color. If you saturate the color by 10%, you get **23.6581, 12.2363, 7.8405**, and if you desaturate by 10%, it is **25.7368, 14.7183, 13.6983**.

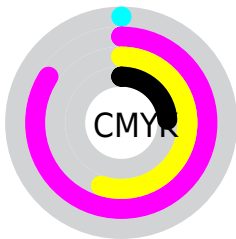
Distribution



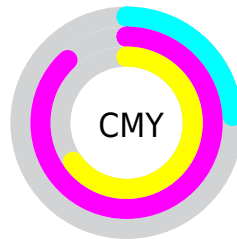
- Red (76%)
- Green (12%)
- Blue (35%)



- Red (76%)
- Yellow (12%)
- Blue (35%)



- Cyan (0%)
- Magenta (84%)
- Yellow (55%)
- Black (24%)





- Cyan (24%)
- Magenta (88%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.4996, 13.1539, 10.4802 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 24.4996, 13.1539, 10.4802 by changing the saturation by 10% instead.

 24.4996, 13.1539,
10.4802

 24.4996, 13.1539,
10.4802


267.7305,
211.9017, 204.6736


 15.8314, 7.5346,
5.6087


 50.2930, 31.5800,
27.3167


 9.4950, 3.7986,
2.5438


 68.1489, 45.1556,
40.1188


 5.1251, 1.5616,
0.8632

 89.7981, 62.1521,
56.4015

 2.3564, 0.3315,
0.0000

 115.6059, 82.9538,
76.5834

 0.8233, 0.0000,
0.0000

 145.9377,
107.9453, 101.0830

 0.0000, 0.0000,
0.0000

 181.1588,

137.5108, 130.3189

221.6346,
172.0348, 164.7096

■ 24.4996, 13.1539,
10.4802

■ 24.4996, 13.1539,
10.4802

■ 23.6581, 12.2363,
7.8405

■ 25.7368, 14.7183,
13.6983

■ 23.2862, 11.8846,
6.5081

■ 27.4206, 17.0241,
17.5329

■ 29.5947, 20.1525,
22.0185

■ 32.2973, 24.1733,
27.1867

■ 35.5622, 29.1489,
33.0667

■ 39.4206, 35.1358,
39.6857

■ 43.9012, 42.1864,
47.0695

■ 49.0309, 50.3494,
55.2425

■ 54.8349, 59.6702,
64.2282

Harmonies

Analogous

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



23.6920, 13.1539, 26.5608



24.4996, 13.1539, 10.4802



21.4923, 13.1539, 3.0959

Triad

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



24.4996, 13.1539, 10.4802



7.4118, 13.1539, 1.8466



9.3768, 13.1539, 57.9728

Complementary

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



24.4996, 13.1539, 10.4802



24.3737, 40.6816, 30.2403

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.



6.4512, 13.1539, 39.2880



24.4996, 13.1539, 10.4802



5.5431, 13.1539, 6.5745

Square

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



24.4996, 13.1539, 10.4802



11.0769, 13.1539, 0.7135



5.2454, 13.1539, 19.0046



14.0452, 13.1539, 61.8493

Rectangle

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



24.4996, 13.1539, 10.4802



18.1013, 13.1539, 1.3494



5.2454, 13.1539, 19.0046



8.1964, 13.1539, 52.8175

Sweetspot

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



24.4999, 13.1547, 10.4804



70.3869, 62.0436, 70.1595



20.5372, 10.1904, 51.9233



14.8496, 12.7087, 14.4035



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.



24.4999, 13.1547, 10.4804



42.0805, 21.4885, 11.2200



23.8839, 14.3449, 2.8074



10.2154, 10.1348, 11.2246



15.3454, 7.8279, 4.4652



0.6959, 0.3514, 0.3660

Inverse Universe

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



24.4999, 13.1547, 10.4804



42.0805, 21.4885, 11.2200



24.5940, 32.7684, 56.0675



10.2154, 10.1348, 11.2246



15.3454, 7.8279, 4.4652



0.6959, 0.3514, 0.3660

Previews

White Background



This preview shows how the XYZ color 24.4996, 13.1539, 10.4802 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 24.4996, 13.1539, 10.4802 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 24.4996, 13.1539, 10.4802

Background



This preview shows how black text looks on a background with the XYZ color 24.4996, 13.1539, 10.4802.



This preview shows how white text looks on a background with the XYZ color 24.4996, 13.1539,

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

24.4996, 13.1539, 10.4802

Protanopia

13.3635, 13.5295, 20.6460

Deuteranopia

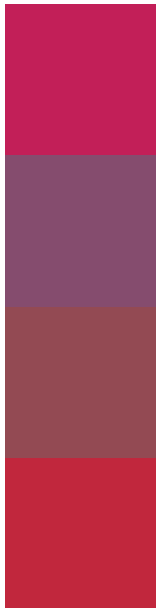
13.6555, 13.4959, 9.4747



Tritanopia

23.1126, 13.1973, 3.8118

Trichromacy



Original Color

24.4996, 13.1539, 10.4802

Protanomaly

15.0718, 11.2812, 16.1350

Deuteranomaly

16.0427, 11.7251, 9.6012

Tritanomaly

23.5601, 13.1254, 5.7066

Monochromacy



Original Color

24.4996, 13.1539, 10.4802

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

12.1260, 8.9445, 10.1042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4996, 13.1539, 10.4802 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, 31, 88)` looks like.

```
.text, #text, p{  
    color:rgb(194, 31, 88)  
}
```

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, 31, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 31, 88) }
```

Border

The CSS property to change the border of an element to XYZ 24.4996, 13.1539, 10.4802 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, 31, 88) }
```


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

```
.border{ border-color:rgb(194, 31, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 31, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 31, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 31, 88);  
box-shadow:4px 4px 4px 4px rgb(194, 31,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4996, 13.1539, 10.4802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 31, 88) }
```

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

```
.background{ background-color: rgb(194, 31,  
88) }
```

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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