

Converting Colors

XYZ(24.1958, 13.4966, 10.8503)

Have a look what the booklet for
XYZ(24.1958, 13.4966, 10.8503)
contains.

XYZ(24.1170, 13.4536, 10.7769)	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(24.1170, 13.4536,
10.7769)**

Conversions

Conversions Part 1

Format	Color
Hex	BF2A59
RGB	191, 42, 89
RGB Percent	75%, 16%, 35%
CMY	0.2510, 0.8352, 0.6510
CMYK	0.00, 0.78, 0.53, 0.25
HSL	341°, 64%, 46%
HSV	341°, 78%, 75%
XYZ	24.1170, 13.4536, 10.7769
YIQ	91.9090, 73.7170, 46.2050

Conversions

Conversions Part 2

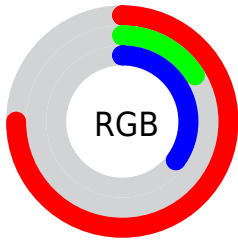
Format	Color
R_{YB}	191, 42, 89
Decimal	12528217
CIE Lab	43.44, 60.34, 9.97
CIE LCh	43, 61.158, 9.379
Yxy	13.4536, 0.4988, 0.2783
Android (android.graphics.Color)	4290718297 (0xFFBF2A59)
YUV	91.9090, -1.4341, 86.9028
Hunter-Lab	36.6791, 53.1775, 8.2551

Details

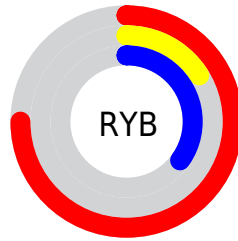
The XYZ color **24.1170, 13.4536, 10.7769** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **24.6210, 39.7679, 32.7684**, and the grayscale version is **10.1443, 10.6726, 11.6224**.

A 20% lighter version of the original color is **49.5565, 32.0623, 28.0028**, and **9.8147, 5.0071, 2.8321** is the 20% darker color. If you saturate the color by 10%, you get **23.0923, 12.2064, 7.9626**, and if you desaturate by 10%, it is **25.5626, 15.3866, 14.2129**.

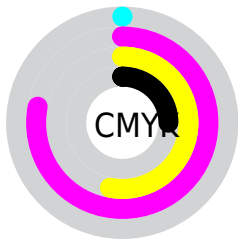
Distribution



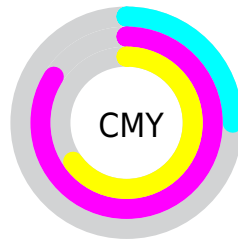
- Red (75%)
- Green (16%)
- Blue (35%)



- Red (75%)
- Yellow (16%)
- Blue (35%)



- Cyan (0%)
- Magenta (78%)
- Yellow (53%)
- Black (25%)





- Cyan (25%)
- Magenta (84%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1170, 13.4536, 10.7769 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 24.1170, 13.4536, 10.7769 by changing the saturation by 10% instead.


 24.1170, 13.4536,
10.7769


 24.1170, 13.4536,
10.7769


265.8410,
213.8046, 206.8127


 15.5456, 7.7416,
5.8047


 49.6743, 32.1163,
27.8772


 9.2920, 3.9301,
2.6599


 67.3910, 45.8359,
40.8424


 4.9908, 1.6345,
0.9231


 88.8869, 62.9934,
57.3091

 2.2766, 0.3807,
0.0000

 114.5273, 83.9733,
77.6957

 0.7826, 0.0000,
0.0000

 144.6775,
109.1600, 102.4208

 0.0000, 0.0000,
0.0000

 179.7030,

138.9378, 131.9030

219.9690,
173.6913, 166.5608

■ 24.1170, 13.4536,
10.7769

■ 24.1170, 13.4536,
10.7769

■ 23.0923, 12.2064,
7.9626

■ 25.5626, 15.3866,
14.2129

■ 22.4201, 11.5163,
5.7216

■ 27.4733, 18.0861,
18.3087

■ 22.3077, 11.4051,
5.3337

■ 29.8886, 21.6238,
23.0996

■ 32.8433, 26.0626,
28.6180

■ 36.3689, 31.4594,
34.8939

■ 40.4946, 37.8661,
41.9558

■ 45.2473, 45.3312,
49.8305

■ 50.6525, 53.8998,
58.5433

■ 56.7341, 63.6144,
68.1188

Harmonies

Analogous

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



23.4152, 13.4536, 25.9621



24.1170, 13.4536, 10.7769



21.2518, 13.4536, 3.5145

Triad

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



24.1170, 13.4536, 10.7769



7.8129, 13.4536, 2.2902



9.8258, 13.4536, 55.4562

Complementary

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



24.1170, 13.4536, 10.7769



24.6210, 39.7679, 32.7684

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.



6.9347, 13.4536, 38.3826



24.1170, 13.4536, 10.7769



5.9889, 13.4536, 7.2177

Square

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



24.1170, 13.4536, 10.7769



11.3522, 13.4536, 1.0185



5.7132, 13.4536, 19.3518



14.3384, 13.4536, 58.7490

Rectangle

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



24.1170, 13.4536, 10.7769



18.0416, 13.4536, 1.6862



5.7132, 13.4536, 19.3518



8.6671, 13.4536, 50.7918

Sweetspot

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



24.1173, 13.4544, 10.7771



68.4292, 61.4380, 68.1862



21.7025, 11.3315, 50.3333



14.4521, 12.6020, 13.9821



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.1173, 13.4544, 10.7771



40.4184, 20.8824, 11.1700



24.0522, 15.5401, 3.9235



9.6508, 9.5846, 10.5502



14.6930, 7.5083, 3.6769



0.6060, 0.3063, 0.3043

Inverse Universe

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



24.1173, 13.4544, 10.7771



40.4184, 20.8824, 11.1700



23.5785, 30.6925, 53.9715



9.6508, 9.5846, 10.5502



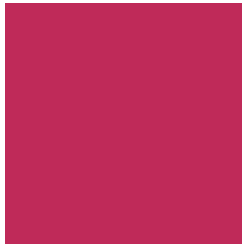
14.6930, 7.5083, 3.6769



0.6060, 0.3063, 0.3043

Previews

White Background



This preview shows how the XYZ color 24.1170, 13.4536, 10.7769 looks on a white background.

Color Contrast Check

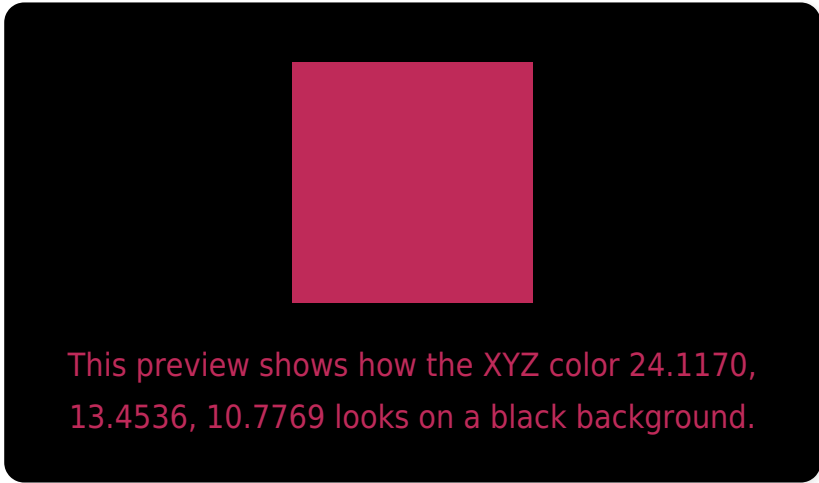
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

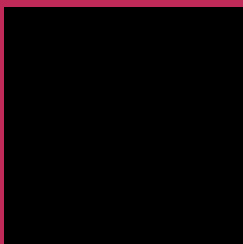
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.1170, 13.4536, 10.7769

Background



This preview shows how black text looks on a background with the XYZ color 24.1170, 13.4536, 10.7769.



This preview shows how white text looks on a background with the XYZ color 24.1170, 13.4536,

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

24.1170, 13.4536, 10.7769

Protanopia

13.4959, 13.7659, 19.7151

Deuteranopia

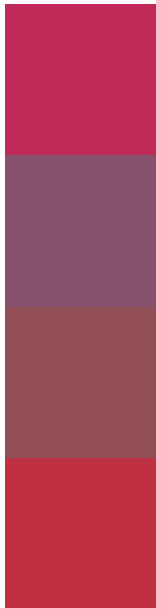
13.8700, 13.5978, 9.8763



Tritanopia

22.8127, 13.4435, 4.7607

Trichromacy



Original Color

24.1170, 13.4536, 10.7769

Protanomaly

15.3756, 11.9755, 15.9691

Deuteranomaly

16.2181, 12.2156, 10.0974

Tritanomaly

23.2755, 13.4544, 6.5245

Monochromacy



Original Color

24.1170, 13.4536, 10.7769

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

13.2392, 10.2421, 11.1767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1170, 13.4536, 10.7769 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(191, 42, 89)` looks like.

```
.text, #text, p{  
    color:rgb(191, 42, 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(191, 42, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 42, 89) }
```

Border

The CSS property to change the border of an element to XYZ 24.1170, 13.4536, 10.7769 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(191, 42, 89) }
```


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

```
.border{ border-color:rgb(191, 42, 89) }
```

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

Here you see how a box with a 4 pixel rgb(191, 42, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 42, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 42, 89);  
box-shadow:4px 4px 4px 4px rgb(191, 42,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1170, 13.4536, 10.7769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 42, 89) }
```

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

```
.background{ background-color: rgb(191, 42,  
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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