

Converting Colors

XYZ(34.5649, 24.0031, 12.4032)

Have a look what the booklet for
XYZ(34.5649, 24.0031, 12.4032)
contains.

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Color

**XYZ(34.4391, 23.8865,
12.4683)**

Conversions

Conversions Part 1

Format	Color
Hex	D8615A
RGB	216, 97, 90
RGB Percent	85%, 38%, 35%
CMY	0.1529, 0.6196, 0.6471
CMYK	0.00, 0.55, 0.58, 0.15
HSL	3°, 62%, 60%
HSV	3°, 58%, 85%
XYZ	34.4391, 23.8865, 12.4683
YIQ	131.7830, 73.1710, 23.0510

Conversions

Conversions Part 2

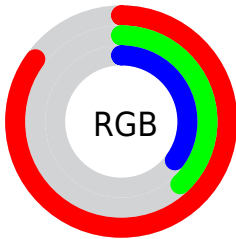
Format	Color
R_{YB}	216, 97, 90
Decimal	14180698
CIE _{Lab}	55.97, 46.22, 26.97
CIE _{LCh}	56, 53.519, 30.264
Yxy	23.8865, 0.4865, 0.3374
Android (android.graphics.Color)	4292370778 (0xFFD8615A)
YUV	131.7830, -20.5990, 73.8583
Hunter-Lab	48.8738, 40.2514, 19.0861

Details

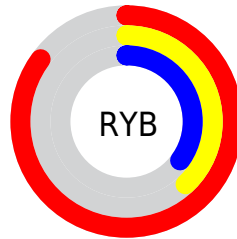
The XYZ color **34.4391, 23.8865, 12.4683** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted orange. A complement of this color would be **39.4101, 52.7293, 73.0662**, and the grayscale version is **21.9081, 23.0491, 25.1004**.

A 20% lighter version of the original color is **57.0402, 45.2867, 30.5458**, and **15.0656, 9.0511, 3.3359** is the 20% darker color. If you saturate the color by 10%, you get **32.0010, 20.2742, 7.7599**, and if you desaturate by 10%, it is **37.6300, 28.5773, 18.7456**.

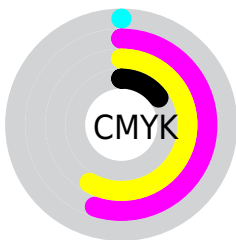
Distribution



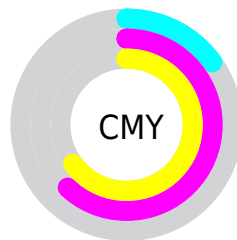
- Red (85%)
- Green (38%)
- Blue (35%)



- Red (85%)
- Yellow (38%)
- Blue (35%)



- Cyan (0%)
- Magenta (55%)
- Yellow (58%)
- Black (15%)





- Cyan (15%)
- Magenta (62%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4391, 23.8865, 12.4683 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 34.4391, 23.8865, 12.4683 by changing the saturation by 10% instead.


 34.4391, 23.8865,
12.4683


 34.4391, 23.8865,
12.4683


313.6371,
272.2462, 218.5682


 23.3956, 15.2494,
6.9371

 65.9557, 49.8449,
31.0222

 15.0082, 8.9946,
3.3449


 87.1595, 67.9351,
44.8820


 8.9115, 4.7377,
1.2733


 112.4808, 89.9451,
62.3551

 4.7401, 2.0942,
0.0398

 142.2850,
116.2593, 83.8599

 2.1288, 0.6614,
0.0000

 176.9373,
147.2621, 109.8151

 0.7048, 0.0000,
0.0000

216.8032,

 0.0000, 0.0000,

183.3379, 140.6392

0.0000

262.2481,
224.8711, 176.7507

■ 34.4391, 23.8865,
12.4683

■ 34.4391, 23.8865,
12.4683

■ 32.0010, 20.2742,
7.7599

■ 37.6300, 28.5773,
18.7456

■ 30.2522, 17.6512,
4.4809

■ 41.6269, 34.4189,
26.7127

■ 29.1216, 15.9203,
2.4692

■ 46.4802, 41.4821,
36.4798

■ 28.5152, 14.9602,
1.4881

■ 52.2356, 49.8306,
48.1477

■ 28.4504, 14.8621,
1.3692

■ 58.9358, 59.5238,
61.8096

■ 66.6204, 70.6174,
77.5525

■ 75.3271, 83.1639,
95.4585

■ 82.1288, 93.3389,
108.2953

Harmonies

Analogous

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



36.5965, 23.8865, 25.8538



34.4391, 23.8865, 12.4683



29.0443, 23.8865, 6.3654

Triad

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



34.4391, 23.8865, 12.4683



13.9529, 23.8865, 12.6333



22.7575, 23.8865, 76.2571

Complementary

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



34.4391, 23.8865, 12.4683



39.4101, 52.7293, 73.0662

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.



17.3599, 23.8865, 67.5357



34.4391, 23.8865, 12.4683



12.8641, 23.8865, 26.1634

Square

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



34.4391, 23.8865, 12.4683



17.2817, 23.8865, 6.4261



13.9920, 23.8865, 46.9207



29.1548, 23.8865, 67.2436

Rectangle

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



34.4391, 23.8865, 12.4683



24.7490, 23.8865, 4.9427



13.9920, 23.8865, 46.9207



20.7737, 23.8865, 75.2692

Sweetspot

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



34.4397, 23.8878, 12.4687



77.1414, 74.1196, 72.2968



43.5705, 26.5496, 63.6050



16.1173, 15.2937, 14.6729



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.



34.4397, 23.8878, 12.4687



45.9238, 28.5125, 10.0120



42.6142, 40.2368, 15.1935



12.4781, 12.5304, 12.9217



16.8650, 8.8473, 0.8188



1.0372, 0.5735, 0.0560

Inverse Universe

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



39.4101, 52.7293, 73.0662



53.7453, 74.1270, 106.0830



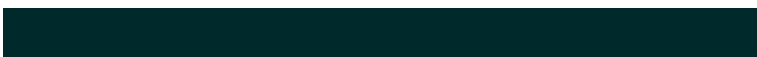
26.9984, 27.9059, 68.9290



12.7303, 13.9840, 15.9657



20.1425, 28.5468, 42.9016



1.2333, 1.7587, 2.5938

Previews

White Background



This preview shows how the XYZ color 34.4391, 23.8865, 12.4683 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 34.4391, 23.8865, 12.4683 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 34.4391, 23.8865, 12.4683

Background



This preview shows how black text looks on a background with the XYZ color 34.4391, 23.8865, 12.4683.



This preview shows how white text looks on a background with the XYZ color 34.4391, 23.8865,

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

34.4391, 23.8865, 12.4683

Protanopia

22.4543, 23.9304, 17.0712

Deuteranopia

24.5547, 24.1271, 11.7503



Tritanopia

35.1058, 23.8954, 15.3324

Trichromacy



Original Color

34.4391, 23.8865, 12.4683

Protanomaly

25.7152, 23.1409, 15.1679

Deuteranomaly

27.3324, 23.3395, 11.8685

Tritanomaly

35.0027, 23.9993, 14.3428

Monochromacy



Original Color

34.4391, 23.8865, 12.4683

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.9120, 22.2645, 19.8141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4391, 23.8865, 12.4683 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(216, 97, 90)` looks like.

```
.text, #text, p{  
    color:rgb(216, 97, 90)  
}
```

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(216, 97, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 97, 90) }
```

Border

The CSS property to change the border of an element to XYZ 34.4391, 23.8865, 12.4683 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(216, 97, 90) }
```


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

```
.border{ border-color:rgb(216, 97, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 97, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 97, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 97, 90);  
box-shadow:4px 4px 4px 4px rgb(216, 97,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4391, 23.8865, 12.4683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 97, 90) }
```

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

```
.background{ background-color: rgb(216, 97,  
90) }
```

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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