

Converting Colors

XYZ(35.0120, 23.9231, 4.0574)

Have a look what the booklet for
XYZ(35.0120, 23.9231, 4.0574)
contains.

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Color

**XYZ(34.9905, 23.9516,
4.0752)**

Conversions

Conversions Part 1

Format	Color
Hex	E05E1F
RGB	224, 94, 31
RGB Percent	88%, 37%, 12%
CMY	0.1216, 0.6313, 0.8784
CMYK	0.00, 0.58, 0.86, 0.12
HSL	20°, 76%, 50%
HSV	20°, 86%, 88%
XYZ	34.9905, 23.9516, 4.0752
YIQ	125.6880, 97.7030, 7.9670

Conversions

Conversions Part 2

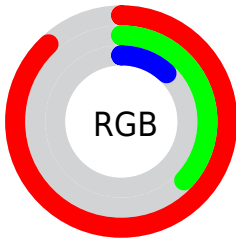
Format	Color
R_{YB}	224, 125, 31
Decimal	14704159
CIE _{Lab}	56.04, 47.84, 57.31
CIE _{LCh}	56, 74.647, 50.147
Yxy	23.9516, 0.5553, 0.3801
Android (android.graphics.Color)	4292894239 (0xFFE05E1F)
YUV	125.6880, -46.6812, 86.2196
Hunter-Lab	48.9404, 41.9750, 29.3213

Details

The XYZ color **34.9905, 23.9516, 4.0752** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **26.7632, 31.1604, 75.1245**, and the grayscale version is **19.8563, 20.8904, 22.7497**.

A 20% lighter version of the original color is **53.3529, 43.0490, 13.4799**, and **15.4567, 9.0947, 0.9408** is the 20% darker color. If you saturate the color by 10%, you get **33.5777, 21.4466, 2.6169**, and if you desaturate by 10%, it is **36.8710, 27.0655, 6.6977**.

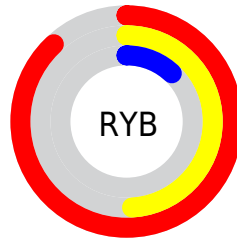
Distribution



Red (88%)

Green (37%)

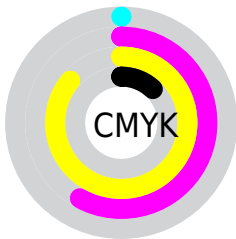
Blue (12%)



Red (88%)

Yellow (49%)

Blue (12%)

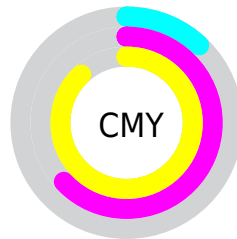


Cyan (0%)

Magenta (58%)

Yellow (86%)

Black (12%)



Cyan (12%)


Magenta (63%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9905, 23.9516, 4.0752 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 34.9905, 23.9516, 4.0752 by changing the saturation by 10% instead.

 34.9905, 23.9516,
4.0752


 34.9905, 23.9516,
4.0752


316.0351,
272.5757, 149.0576

 23.8220, 15.2977,
1.6667


 66.8052, 49.9512,
14.1828


 15.3257, 9.0286,
0.3378


 88.1821, 68.0657,
22.7190


 9.1361, 4.7598,
0.0000


 113.6925, 90.1026,
34.1349

 4.8879, 2.1071,
0.0000

 143.7019,
116.4462, 48.8489

 2.2157, 0.6686,
0.0000

 178.5754,
147.4809, 67.2796

 0.7510, 0.0000,
0.0000

 218.6786,

 0.0000, 0.0000,

183.5911, 89.8456

0.0000

264.3767,
225.1612, 116.9654

34.9905, 23.9516,
4.0752

34.9905, 23.9516,
4.0752

33.5777, 21.4466,
2.6169

36.8710, 27.0655,
6.6977

33.1312, 20.6290,
2.2356

39.2684, 30.8273,
10.6820

42.2261, 35.2763,
16.1887

45.7816, 40.4471,
23.3554

49.9690, 46.3719,
32.3041

■ 54.8195, 53.0806,
43.1454

■ 60.3620, 60.6015,
55.9805

■ 66.6238, 68.9615,
70.9037

■ 73.6305, 78.1860,
88.0030

Harmonies

Analogous

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



41.9193, 23.9516, 13.0052



34.9905, 23.9516, 4.0752



25.6920, 23.9516, 1.7695

Triad

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



34.9905, 23.9516, 4.0752



10.1181, 23.9516, 18.8320



28.9013, 23.9516, 99.8138

Complementary

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



34.9905, 23.9516, 4.0752



26.7632, 31.1604, 75.1245

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.



20.0697, 23.9516, 105.2521



34.9905, 23.9516, 4.0752



10.5686, 23.9516, 45.8579

Square

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



34.9905, 23.9516, 4.0752



12.3442, 23.9516, 6.0623



13.7817, 23.9516, 81.3920



37.8385, 23.9516, 69.3056

Rectangle

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



34.9905, 23.9516, 4.0752



19.9937, 23.9516, 1.7765



13.7817, 23.9516, 81.3920



25.7819, 23.9516, 105.1461

Sweetspot

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



34.9910, 23.9530, 4.0756



73.5245, 71.1845, 57.8384



37.8307, 19.4674, 36.3593



15.2294, 14.5384, 11.2306



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.



34.9910, 23.9530, 4.0756



44.3522, 27.4845, 2.9674



49.1028, 52.1765, 8.7795



14.0708, 14.4276, 14.3500



19.3782, 12.1943, 1.3324



1.4228, 1.0046, 0.1189

Inverse Universe

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



26.7632, 31.1604, 75.1245



32.7554, 36.6308, 99.9518



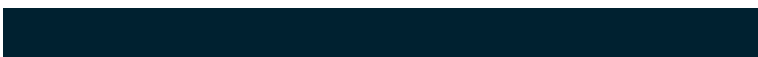
15.9903, 9.6146, 71.5336



13.7198, 14.7786, 17.5171



14.3701, 16.2097, 43.4198



1.0766, 1.2846, 3.0365

Previews

White Background



This preview shows how the XYZ color 34.9905, 23.9516, 4.0752 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 34.9905, 23.9516, 4.0752 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 34.9905, 23.9516, 4.0752

Background



This preview shows how black text looks on a background with the XYZ color 34.9905, 23.9516, 4.0752.



This preview shows how white text looks on a background with the XYZ color 34.9905, 23.9516,

4.0752.

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

34.9905, 23.9516, 4.0752

Protanopia

21.8267, 24.0674, 5.5929

Deuteranopia

24.5466, 24.1094, 3.5321



Tritanopia

36.8741, 23.9564, 13.2702

Trichromacy



Original Color

34.9905, 23.9516, 4.0752

Protanomaly

25.4105, 23.0315, 4.8565

Deuteranomaly

27.5668, 23.4724, 3.5296

Tritanomaly

35.8448, 23.7748, 8.6610

Monochromacy



Original Color

34.9905, 23.9516, 4.0752

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

22.8059, 20.4713, 12.6469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9905, 23.9516, 4.0752 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(224, 94, 31)` looks like.

```
.text, #text, p{  
    color:rgb(224, 94, 31)  
}
```

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(224, 94, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 94, 31) }
```

Border

The CSS property to change the border of an element to XYZ 34.9905, 23.9516, 4.0752 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(224, 94, 31) }
```


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

```
.border{ border-color:rgb(224, 94, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 94, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 94, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 94, 31);  
box-shadow:4px 4px 4px 4px rgb(224, 94,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9905, 23.9516, 4.0752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 94, 31) }
```

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

```
.background{ background-color: rgb(224, 94,  
31) }
```

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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