

Converting Colors

XYZ(30.8888, 15.9210, 1.5721)

Have a look what the booklet for
XYZ(30.8888, 15.9210, 1.5721)
contains.

XYZ(30.7624, 15.8561, 1.5540)	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(30.7624, 15.8561,
1.5540)**

Conversions

Conversions Part 1

Format	Color
Hex	E00004
RGB	224, 0, 4
RGB Percent	88%, 0%, 2%
CMY	0.1216, 0.9998, 0.9843
CMYK	0.00, 1.00, 0.98, 0.12
HSL	359°, 100%, 44%
HSV	359°, 100%, 88%
XYZ	30.7624, 15.8561, 1.5540
YIQ	67.4320, 132.2200, 48.7320

Conversions

Conversions Part 2

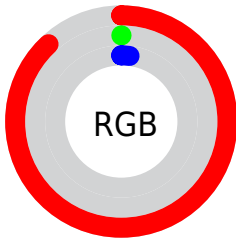
Format	Color
RYB	224, 0, 4
Decimal	14680068
CIELab	46.79, 72.67, 59.74
CIELCh	47, 94.069, 39.423
Yxy	15.8561, 0.6386, 0.3292
Android (android.graphics.Color)	4292870148 (0xFFE00004)
YUV	67.4320, -31.2720, 137.3101
Hunter-Lab	39.8197, 68.2142, 25.5600

Details

The XYZ color **30.7624, 15.8561, 1.5540** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **39.5816, 58.4814, 76.9500**, and the grayscale version is **5.4419, 5.7253, 6.2348**.

A 20% lighter version of the original color is **45.6599, 28.8778, 7.1704**, and **14.1006, 7.2691, 0.6599** is the 20% darker color. If you saturate the color by 10%, you get **30.7618, 15.8558, 1.5524**, and if you desaturate by 10%, it is **31.2224, 16.5131, 2.5193**.

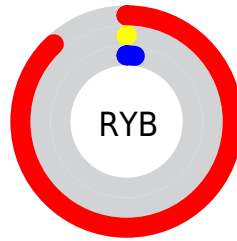
Distribution



Red (88%)

Green (0%)

Blue (2%)



Red (88%)

Yellow (0%)

Blue (2%)

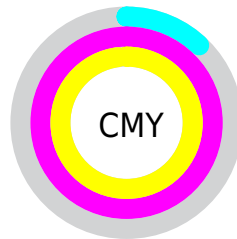


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7624, 15.8561, 1.5540 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 30.7624, 15.8561, 1.5540 by changing the saturation by 10% instead.


 30.7624, 15.8561,
1.5540


 30.7624, 15.8561,
1.5540


 297.2887,
228.4911, 115.0142


 20.5689, 9.4224,
0.2577


 60.2442, 36.3482,
7.7811


 12.9199, 5.0177,
0.0000


 80.2632, 51.1754,
13.7075


 7.4501, 2.2577,
0.0000


 104.2881, 69.5692,
22.0672

 3.7939, 0.7512,
0.0000

 132.6843, 91.9140,
33.2788

 1.5862, 0.0000,
0.0000

 165.8171,
118.5942, 47.7607

 0.3834, 0.0000,
0.0000


 204.0519,


 0.0000, 0.0000,


149.9942, 65.9316


0.0000


 247.7539,
186.4983, 88.2099


 30.7624, 15.8561,
1.5540


 30.7624, 15.8561,
1.5540


 30.7618, 15.8558,
1.5524

 31.2224, 16.5131,
2.5193

 32.2068, 17.9264,
4.5601

 33.8686, 20.3342,
7.9368

 36.3000, 23.8745,
12.8251

 39.5792, 28.6631,
19.3740

■ 43.7745, 34.8018,
27.7147

■ 48.9474, 42.3818,
37.9653

■ 55.1539, 51.4865,
50.2337

■ 62.4461, 62.1928,
64.6201

Harmonies

Analogous

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



36.4984, 15.8561, 10.8946



30.7624, 15.8561, 1.5540



21.2967, 15.8561, 0.0000

Triad

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



30.7624, 15.8561, 1.5540



4.6263, 15.8561, 5.7851



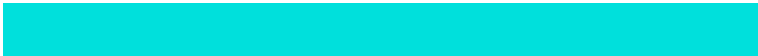
17.7928, 15.8561, 110.6067

Complementary

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



30.7624, 15.8561, 1.5540



39.5816, 58.4814, 76.9500

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.



10.1945, 15.8561, 102.9783



30.7624, 15.8561, 1.5540



4.2758, 15.8561, 25.7311

Square

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



30.7624, 15.8561, 1.5540



7.1316, 15.8561, 0.5591



5.8987, 15.8561, 64.5206



27.4158, 15.8561, 80.5949

Rectangle

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



30.7624, 15.8561, 1.5540



15.2297, 15.8561, 0.0000



5.8987, 15.8561, 64.5206



14.9129, 15.8561, 112.7067

Sweetspot

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



30.7627, 15.8571, 1.5542



65.4827, 56.5892, 50.5701



41.9321, 20.0634, 72.1830



13.3529, 11.1404, 9.5109



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.



30.7627, 15.8571, 1.5542



41.2646, 21.2698, 2.0596



35.7476, 25.8615, 3.1092



13.7170, 13.7044, 14.2799



17.9102, 9.2311, 0.9268



1.2449, 0.6412, 0.0827

Inverse Universe

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



30.7627, 15.8571, 1.5542



41.2646, 21.2698, 2.0596



20.1107, 18.6932, 73.0686



13.7170, 13.7044, 14.2799



17.9102, 9.2311, 0.9268



1.2449, 0.6412, 0.0827

Previews

White Background



This preview shows how the XYZ color 30.7624, 15.8561, 1.5540 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 30.7624, 15.8561, 1.5540

Background



This preview shows how black text looks on a background with the XYZ color 30.7624, 15.8561, 1.5540.



This preview shows how white text looks on a background with the XYZ color 30.7624, 15.8561,

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

30.7624, 15.8561, 1.5540

Protanopia

14.8793, 16.4110, 3.5458

Deuteranopia

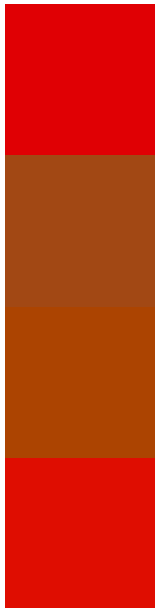
16.4130, 16.2662, 2.2746



Tritanopia

30.3924, 16.0659, 1.4992

Trichromacy



Original Color

30.7624, 15.8561, 1.5540

Protanomaly

17.3439, 12.3666, 2.1347

Deuteranomaly

19.0859, 12.9071, 1.5141

Tritanomaly

30.5808, 15.9780, 1.5010

Monochromacy



Original Color

30.7624, 15.8561, 1.5540

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

9.6307, 6.1947, 3.0710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7624, 15.8561, 1.5540 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, 0, 4)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 4)  
}
```

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, 0, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 4) }
```

Border

The CSS property to change the border of an element to XYZ 30.7624, 15.8561, 1.5540 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, 0, 4) }
```


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

```
.border{ border-color:rgb(224, 0, 4) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(224, 0, 4); box-shadow:4px  
4px 4px 4px rgb(224, 0, 4) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7624, 15.8561, 1.5540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 4) }
```

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

```
.background{ background-color: rgb(224, 0,  
4) }
```

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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