

Converting Colors

XYZ(30.8661, 17.4784, 4.6526)

Have a look what the booklet for
XYZ(30.8661, 17.4784, 4.6526)
contains.

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Color

**XYZ(30.8661, 17.4784,
4.6526)**

Conversions

Conversions Part 1

Format	Color
Hex	DB3131
RGB	219, 49, 49
RGB Percent	86%, 19%, 19%
CMY	0.1412, 0.8078, 0.8078
CMYK	0.00, 0.78, 0.78, 0.14
HSL	0°, 70%, 53%
HSV	0°, 78%, 86%
XYZ	30.8661, 17.4784, 4.6526
YIQ	99.8300, 101.3200, 36.0400

Conversions

Conversions Part 2

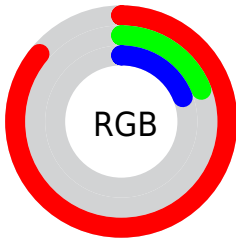
Format	Color
R_{YB}	219, 49, 49
Decimal	14364977
CIE _{Lab}	48.86, 64.12, 41.90
CIE _{LCh}	49, 76.598, 33.164
Yxy	17.4784, 0.5824, 0.3298
Android (android.graphics.Color)	4292555057 (0xFFDB3131)
YUV	99.8300, -25.0592, 104.5121
Hunter-Lab	41.8072, 58.6234, 22.6668

Details

The XYZ color **30.8661, 17.4784, 4.6526** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **39.3809, 56.4236, 75.8326**, and the grayscale version is **12.1149, 12.7458, 13.8802**.

A 20% lighter version of the original color is **48.9273, 33.2564, 14.9067**, and **13.5395, 6.9773, 0.7480** is the 20% darker color. If you saturate the color by 10%, you get **29.8068, 15.9287, 2.5466**, and if you desaturate by 10%, it is **32.5950, 20.0089, 8.0887**.

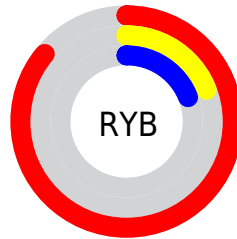
Distribution



Red (86%)

Green (19%)

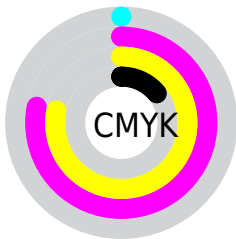
Blue (19%)



Red (86%)

Yellow (19%)

Blue (19%)

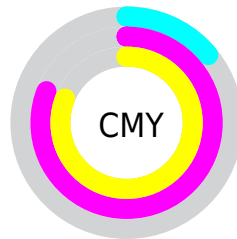


Cyan (0%)

Magenta (78%)

Yellow (78%)

Black (14%)



Cyan (14%)


Magenta (81%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8661, 17.4784, 4.6526 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 30.8661, 17.4784, 4.6526 by changing the saturation by 10% instead.


 30.8661, 17.4784,
4.6526


 30.8661, 17.4784,
4.6526


297.7589,
237.9144, 155.2242


 20.6482, 10.5762,
1.9898


 60.4065, 39.1465,
15.4889


 12.9781, 5.7826,
0.5490


 80.4597, 54.6812,
24.4994


 7.4904, 2.7133,
0.0000


 104.5221, 73.8621,
36.4629

 3.8197, 0.9840,
0.0000

 132.9590, 97.0736,
51.7980

 1.6006, 0.0000,
0.0000

 166.1358,
124.7003, 70.9231

 0.3928, 0.0000,
0.0000

 204.4178,

 0.0000, 0.0000,

157.1263, 94.2568

0.0000

248.1703,
194.7362, 122.2176

■ 30.8661, 17.4784,
4.6526

■ 30.8661, 17.4784,
4.6526

■ 29.8068, 15.9287,
2.5466

■ 32.5950, 20.0089,
8.0887

■ 29.2983, 15.1846,
1.5361


■ 35.0779, 23.6421,
13.0243


■ 29.2134, 15.0603,
1.3672


■ 38.3881, 28.4859,
19.6046


■ 42.5898, 34.6344,
27.9573

■ 47.7411, 42.1722,
38.1979

 53.8951, 51.1772,
50.4318

 61.1009, 61.7212,
64.7568

 69.4044, 73.8715,
81.2642

 78.8489, 87.6913,
100.0398

Harmonies

Analogous

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



34.3176, 17.4784, 16.9530



30.8661, 17.4784, 4.6526



23.5712, 17.4784, 1.1184

Triad

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



30.8661, 17.4784, 4.6526



7.1642, 17.4784, 6.2728



17.3779, 17.4784, 90.8753

Complementary

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



30.8661, 17.4784, 4.6526



39.3809, 56.4236, 75.8326

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.



11.1792, 17.4784, 79.6021



30.8661, 17.4784, 4.6526



6.3681, 17.4784, 21.2722

Square

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



30.8661, 17.4784, 4.6526



10.2064, 17.4784, 1.4774



7.6030, 17.4784, 49.4424



25.2583, 17.4784, 74.1290

Rectangle

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



30.8661, 17.4784, 4.6526



18.2917, 17.4784, 0.5721



7.6030, 17.4784, 49.4424



15.0398, 17.4784, 90.2574

Sweetspot

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



30.8665, 17.4795, 4.6529



71.0636, 64.9014, 61.2154



43.0977, 22.3711, 69.0639



14.5602, 12.9399, 11.8097



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.



30.8665, 17.4795, 4.6529



41.5621, 21.7315, 2.5699



38.2927, 32.3320, 7.1283



13.0562, 13.0517, 13.5567



17.3223, 8.9302, 0.8107



1.1223, 0.5786, 0.0525

Inverse Universe

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



39.3809, 56.4236, 75.8326



54.0511, 78.8561, 106.9797



22.5779, 22.8177, 70.2316



13.4448, 14.8294, 16.8059



22.5996, 33.0685, 44.9301



1.4641, 2.1424, 2.9108

Previews

White Background



This preview shows how the XYZ color 30.8661, 17.4784, 4.6526 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 30.8661, 17.4784, 4.6526 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 30.8661, 17.4784, 4.6526

Background



This preview shows how black text looks on a background with the XYZ color 30.8661, 17.4784, 4.6526.



This preview shows how white text looks on a background with the XYZ color 30.8661, 17.4784,

4.6526.

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

30.8661, 17.4784, 4.6526

Protanopia

16.3376, 17.7414, 8.1936

Deuteranopia

17.8569, 17.6072, 4.1264



Tritanopia

30.8875, 17.4870, 4.7650

Trichromacy



Original Color

30.8661, 17.4784, 4.6526

Protanomaly

19.3946, 15.5792, 6.5423

Deuteranomaly

21.1235, 16.0238, 4.0774

Tritanomaly

30.8875, 17.4870, 4.7650

Monochromacy



Original Color

30.8661, 17.4784, 4.6526

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

15.7553, 12.3186, 9.3319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8661, 17.4784, 4.6526 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(219, 49, 49)` looks like.

```
.text, #text, p{  
    color:rgb(219, 49, 49)  
}
```

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(219, 49, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 49, 49) }
```

Border

The CSS property to change the border of an element to XYZ 30.8661, 17.4784, 4.6526 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(219, 49, 49) }
```


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

```
.border{ border-color:rgb(219, 49, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 49, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 49, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 49, 49);  
box-shadow:4px 4px 4px 4px rgb(219, 49,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8661, 17.4784, 4.6526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 49, 49) }
```

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

```
.background{ background-color: rgb(219, 49,  
49) }
```

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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