

Converting Colors

XYZ(27.7900, 14.3264, 1.3006)

Have a look what the booklet for
XYZ(27.7900, 14.3264, 1.3006)
contains.

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Color

**XYZ(27.7316, 14.2961,
1.2978)**

Conversions

Conversions Part 1

Format	Color
Hex	D60000
RGB	214, 0, 0
RGB Percent	84%, 0%, 0%
CMY	0.1608, 0.9998, 1.0000
CMYK	0.00, 1.00, 1.00, 0.16
HSL	0°, 100%, 42%
HSV	0°, 100%, 84%
XYZ	27.7316, 14.2961, 1.2978
YIQ	63.9860, 127.5440, 45.3680

Conversions

Conversions Part 2

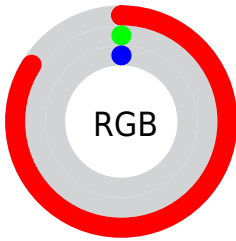
Format	Color
RYB	214, 0, 0
Decimal	14024704
CIELab	44.65, 70.18, 58.89
CIElCh	45, 91.619, 40.000
Yxy	14.2961, 0.6401, 0.3300
Android (android.graphics.Color)	4292214784 (0xFFD60000)
YUV	63.9860, -31.5451, 131.5623
Hunter-Lab	37.8102, 64.7517, 24.4321

Details

The XYZ color **27.7316, 14.2961, 1.2978** 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 **36.1730, 52.9260, 71.9272**, and the grayscale version is **4.9071, 5.1626, 5.6221**.

A 20% lighter version of the original color is **45.3140, 28.3427, 6.5724**, and **12.2127, 6.2959, 0.5715** is the 20% darker color. If you saturate the color by 10%, you get **27.7319, 14.2970, 1.2980**, and if you desaturate by 10%, it is **28.1468, 14.9043, 2.1224**.

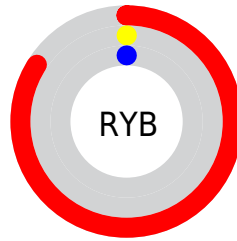
Distribution



Red (84%)

Green (0%)

Blue (0%)



Red (84%)

Yellow (0%)

Blue (0%)

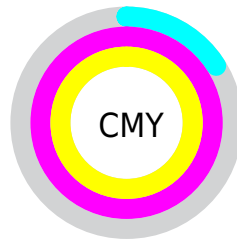


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7316, 14.2961, 1.2978 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 27.7316, 14.2961, 1.2978 by changing the saturation by 10% instead.

 27.7316, 14.2961,
1.2978


 27.7316, 14.2961,
1.2978


 283.2856,
219.0652, 110.2903


 18.2629, 8.3269,
0.0600


 55.4673, 33.6135,
7.0126


 11.2397, 4.3048,
0.0000


 74.4649, 47.7305,
12.5799

 6.2968, 1.8455,
0.0000


 97.3696, 65.3322,
20.5119

 3.0687, 0.5153,
0.0000

 124.5466, 86.8030,
31.2270

 1.1902, 0.0000,
0.0000

 156.3614,
112.5273, 45.1439

 0.0986, 0.0000,
0.0000


 193.1792,


 0.0000, 0.0000,


142.8895, 62.6810


0.0000


 235.3655,
178.2740, 84.2570


 27.7316, 14.2961,
1.2978


 27.7316, 14.2961,
1.2978

 27.7319, 14.2970,
1.2980

 28.1468, 14.9043,
2.1224

 29.0217, 16.1848,
3.8607

 30.5090, 18.3614,
6.8166

 32.6931, 21.5576,
11.1579

 35.6453, 25.8776,
17.0262

■ 39.4279, 31.4127,
24.5457

■ 44.0969, 38.2448,
33.8278

■ 49.7036, 46.4488,
44.9741

■ 56.2952, 56.0938,
58.0787

Harmonies

Analogous

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



33.0697, 14.2961, 9.4877



27.7316, 14.2961, 1.2978



19.0828, 14.2961, 0.0000

Triad

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



27.7316, 14.2961, 1.2978



4.0996, 14.2961, 5.3474



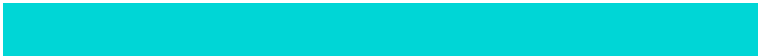
16.2226, 14.2961, 100.6147

Complementary

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



27.7316, 14.2961, 1.2978



36.1730, 52.9260, 71.9272

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.



9.2644, 14.2961, 94.3450



27.7316, 14.2961, 1.2978



3.8164, 14.2961, 23.8059

Square

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



27.7316, 14.2961, 1.2978



6.3188, 14.2961, 0.4759



5.3197, 14.2961, 59.4525



24.9940, 14.2961, 72.6444

Rectangle

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



27.7316, 14.2961, 1.2978



13.5880, 14.2961, 0.0000



5.3197, 14.2961, 59.4525



13.5880, 14.2961, 102.7868

Sweetspot

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



27.7319, 14.2970, 1.2980



65.3494, 56.5408, 49.8524



39.8690, 19.1511, 65.2132



13.3228, 11.1295, 9.3491



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.



27.7319, 14.2970, 1.2980



41.2406, 21.2611, 1.9302



32.9891, 24.8115, 3.0504



12.4235, 12.4212, 12.9035



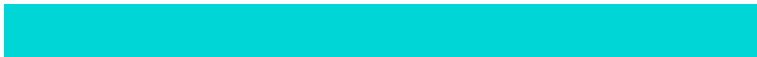
16.7623, 8.6418, 0.7846



1.0111, 0.5214, 0.0473

Inverse Universe

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



36.1730, 52.9260, 71.9272



53.7935, 78.7071, 106.9645



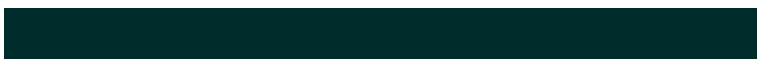
17.3953, 15.3704, 65.6680



12.7920, 14.1074, 15.9863



21.8645, 31.9907, 43.4756



1.3188, 1.9297, 2.6223

Previews

White Background



This preview shows how the XYZ color 27.7316, 14.2961, 1.2978 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 27.7316, 14.2961, 1.2978

Background



This preview shows how black text looks on a background with the XYZ color 27.7316, 14.2961, 1.2978.



This preview shows how white text looks on a background with the XYZ color 27.7316, 14.2961,

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

27.7316, 14.2961, 1.2978

Protanopia

13.4573, 14.8739, 3.2603

Deuteranopia

15.0036, 14.9347, 2.0919



Tritanopia

27.4015, 14.4974, 1.3540

Trichromacy



Original Color

27.7316, 14.2961, 1.2978

Protanomaly

15.7549, 11.2685, 1.9169

Deuteranomaly

17.2581, 11.7889, 1.3659

Tritanomaly

27.5845, 14.4340, 1.3322

Monochromacy



Original Color

27.7316, 14.2961, 1.2978

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.8009, 5.6679, 2.7280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7316, 14.2961, 1.2978 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(214, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 0)  
}
```

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(214, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.7316, 14.2961, 1.2978 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(214, 0, 0) }
```


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

```
.border{ border-color:rgb(214, 0, 0) }
```

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

Here you see how a box with a 4 pixel rgb(214, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(214, 0, 0); box-shadow:4px  
4px 4px 4px rgb(214, 0, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7316, 14.2961, 1.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 0) }
```

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

```
.background{ background-color: rgb(214, 0,  
0) }
```

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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