

Converting Colors

XYZ(27.7135, 14.1262, 8.5553)

Have a look what the booklet for
XYZ(27.7135, 14.1262, 8.5553)
contains.

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Color

**XYZ(27.6696, 14.1054,
8.4720)**

Conversions

Conversions Part 1

Format	Color
Hex	D1004E
RGB	209, 0, 78
RGB Percent	82%, 0%, 31%
CMY	0.1804, 0.9998, 0.6941
CMYK	0.00, 1.00, 0.63, 0.18
HSL	338°, 100%, 41%
HSV	338°, 100%, 82%
XYZ	27.6696, 14.1054, 8.4720
YIQ	71.3830, 99.5260, 68.5660

Conversions

Conversions Part 2

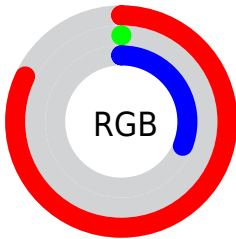
Format	Color
R_{YB}	209, 0, 78
Decimal	13697102
CIE _{Lab}	44.38, 71.10, 18.73
CIE _{LCh}	44, 73.529, 14.755
Yxy	14.1054, 0.5507, 0.2807
Android (android.graphics.Color)	4291887182 (0xFFD1004E)
YUV	71.3830, 3.2622, 120.6901
Hunter-Lab	37.5572, 65.7818, 12.9156

Details

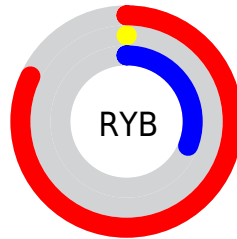
The XYZ color **27.6696, 14.1054, 8.4720** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **26.9007, 47.2408, 29.1896**, and the grayscale version is **6.0412, 6.3558, 6.9215**.

A 20% lighter version of the original color is **48.5605, 29.7718, 23.2658**, and **12.1574, 6.2323, 2.1523** is the 20% darker color. If you saturate the color by 10%, you get **27.6684, 14.1048, 8.4665**, and if you desaturate by 10%, it is **28.4542, 14.8467, 11.2869**.

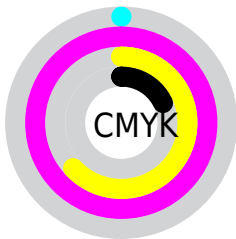
Distribution



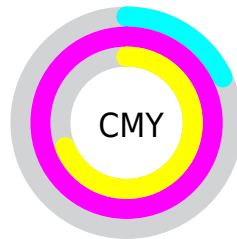
- Red (82%)
- Green (0%)
- Blue (31%)



- Red (82%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6696, 14.1054, 8.4720 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 27.6696, 14.1054, 8.4720 by changing the saturation by 10% instead.

 27.6696, 14.1054,
8.4720


 27.6696, 14.1054,
8.4720


282.9936,
217.8855, 189.4594


 18.2159, 8.1940,
4.3064


 55.3688, 33.2759,
23.4399

 11.2057, 4.2193,
1.7949


 74.3451, 47.3039,
35.0793


 6.2737, 1.7970,
0.4246


 97.2263, 64.8061,
50.0470

 3.0545, 0.4853,
0.0000

 124.3778, 86.1670,
68.7616

 1.1826, 0.0000,
0.0000

 156.1649,
111.7710, 91.6416

 0.0926, 0.0000,
0.0000

 192.9530,

 0.0000, 0.0000,

142.0025, 119.1055

0.0000

235.1074,
177.2459, 151.5719

■ 27.6696, 14.1054,
8.4720

■ 27.6696, 14.1054,
8.4720

■ 27.6684, 14.1048,
8.4665

■ 28.4542, 14.8467,
11.2869

■ 29.6260, 16.2039,
14.7178

■ 31.2869, 18.3738,
18.8225

■ 33.4942, 21.4639,
23.6418

■ 36.2968, 25.5650,
29.2129

■ 39.7377, 30.7570,
35.5695

■ 43.8559, 37.1116,
42.7433

■ 48.6870, 44.6945,
50.7640

■ 54.2641, 53.5662,
59.6595

Harmonies

Analogous

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



27.6288, 14.1054, 25.6025



27.6696, 14.1054, 8.4720



23.2025, 14.1054, 1.9515

Triad

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



27.6696, 14.1054, 8.4720



6.8925, 14.1054, 1.9022



10.6355, 14.1054, 73.0073

Complementary

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



27.6696, 14.1054, 8.4720



26.9007, 47.2408, 29.1896

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.



6.8485, 14.1054, 51.5513



27.6696, 14.1054, 8.4720



5.1607, 14.1054, 8.2924

Square

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



27.6696, 14.1054, 8.4720



10.7161, 14.1054, 0.3789



5.1474, 14.1054, 25.2263



16.5138, 14.1054, 73.2112

Rectangle

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



27.6696, 14.1054, 8.4720



18.8601, 14.1054, 0.7003



5.1474, 14.1054, 25.2263



9.1212, 14.1054, 67.5975

Sweetspot

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



27.6699, 14.1063, 8.4722



68.5274, 57.8071, 66.6030



20.5472, 9.2638, 61.0262



14.0532, 11.4205, 13.1990



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.



27.6699, 14.1063, 8.4722



43.3116, 22.0886, 12.8388



26.6300, 14.2262, 1.3437



11.9885, 11.8801, 13.2154



17.1037, 8.7143, 5.4521



0.9943, 0.5024, 0.5048

Inverse Universe

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



27.6699, 14.1063, 8.4722



43.3116, 22.0886, 12.8388



28.7790, 39.1434, 66.3597



11.9885, 11.8801, 13.2154



17.1037, 8.7143, 5.4521



0.9943, 0.5024, 0.5048

Previews

White Background



This preview shows how the XYZ color 27.6696, 14.1054, 8.4720 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 27.6696, 14.1054, 8.4720 looks on a 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 27.6696, 14.1054, 8.4720

Background



This preview shows how black text looks on a background with the XYZ color 27.6696, 14.1054, 8.4720.



This preview shows how white text looks on a background with the XYZ color 27.6696, 14.1054,

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

27.6696, 14.1054, 8.4720

Protanopia

14.3584, 14.8561, 18.0303

Deuteranopia

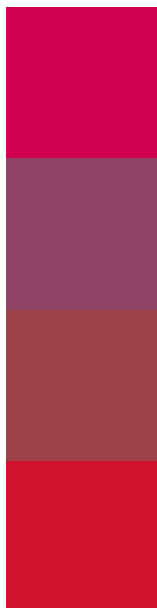
14.8788, 14.5995, 7.6640



Tritanopia

26.4439, 14.3341, 2.5354

Trichromacy



Original Color

27.6696, 14.1054, 8.4720

Protanomaly

15.9177, 11.0031, 13.5968

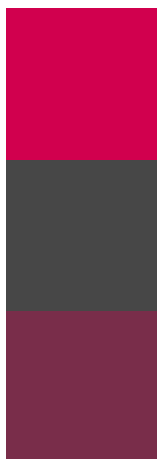
Deuteranomaly

17.1605, 11.5176, 7.4495

Tritanomaly

26.7757, 14.1154, 4.0026

Monochromacy



Original Color

27.6696, 14.1054, 8.4720

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.0596, 6.4361, 7.1907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6696, 14.1054, 8.4720 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(209, 0, 78)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 78)  
}
```

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(209, 0, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 78) }
```

Border

The CSS property to change the border of an element to XYZ 27.6696, 14.1054, 8.4720 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(209, 0, 78) }
```


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

```
.border{ border-color:rgb(209, 0, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 0, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 78);  
box-shadow:4px 4px 4px 4px rgb(209, 0, 78)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.6696, 14.1054, 8.4720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 78) }
```

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

```
.background{ background-color: rgb(209, 0,  
78) }
```

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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