

Converting Colors

XYZ(32.2133, 17.2425, 9.9298)

Have a look what the booklet for
XYZ(32.2133, 17.2425, 9.9298)
contains.

XYZ(32.2683, 17.2574, 10.0178)	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(32.2683, 17.2574,
10.0178)**

Conversions

Conversions Part 1

Format	Color
Hex	DE2154
RGB	222, 33, 84
RGB Percent	87%, 13%, 33%
CMY	0.1294, 0.8705, 0.6706
CMYK	0.00, 0.85, 0.62, 0.13
HSL	344°, 74%, 50%
HSV	344°, 85%, 87%
XYZ	32.2683, 17.2574, 10.0178
YIQ	95.3250, 96.2730, 55.9290

Conversions

Conversions Part 2

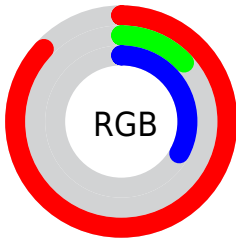
Format	Color
RYB	222, 33, 84
Decimal	14557524
CIELab	48.58, 70.43, 21.06
CIELCh	49, 73.512, 16.648
Yxy	17.2574, 0.5419, 0.2898
Android (android.graphics.Color)	4292747604 (0xFFDE2154)
YUV	95.3250, -5.5832, 111.0940
Hunter-Lab	41.5420, 65.9536, 14.7817

Details

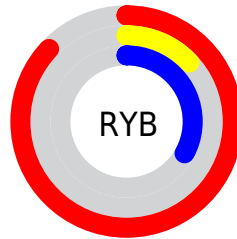
The XYZ color **32.2683, 17.2574, 10.0178** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **34.1015, 55.5070, 47.4543**, and the grayscale version is **10.9543, 11.5248, 12.5505**.

A 20% lighter version of the original color is **50.2250, 32.4562, 25.8078**, and **14.6811, 7.5241, 2.6860** is the 20% darker color. If you saturate the color by 10%, you get **31.2786, 16.1795, 6.9096**, and if you desaturate by 10%, it is **33.8112, 19.2071, 14.0356**.

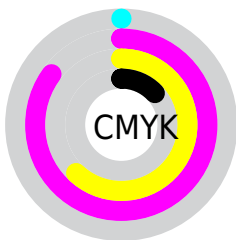
Distribution



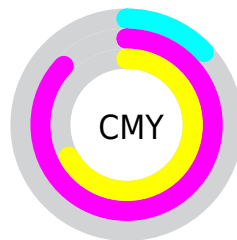
- Red (87%)
- Green (13%)
- Blue (33%)



- Red (87%)
- Yellow (13%)
- Blue (33%)



- Cyan (0%)
- Magenta (85%)
- Yellow (62%)
- Black (13%)





- Cyan (13%)
- Magenta (87%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2683, 17.2574, 10.0178 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 32.2683, 17.2574, 10.0178 by changing the saturation by 10% instead.


 32.2683, 17.2574,
10.0178


 32.2683, 17.2574,
10.0178


304.0633,
236.6514, 201.2885


 21.7231, 10.4182,
5.3050


 62.5938, 38.7678,
26.4373


 13.7690, 5.6771,
2.3655


 83.1048, 54.2078,
38.9811

 8.0408, 2.6497,
0.7675


 107.6684, 73.2835,
54.9723

 4.1731, 0.9517,
0.0000

 136.6500, 96.3793,
74.8295

 1.8005, 0.0000,
0.0000

 170.4149,
123.8796, 98.9711

 0.5180, 0.0000,
0.0000

 209.3285,

 0.0000, 0.0000,

156.1687, 127.8158

0.0000

253.7562,
193.6312, 161.7821

■ 32.2683, 17.2574,
10.0178

■ 32.2683, 17.2574,
10.0178

■ 31.2786, 16.1795,
6.9096

■ 33.8112, 19.2071,
14.0356

■ 30.9367, 15.8546,
5.6892

■ 35.9844, 22.1671,
19.0343

■ 38.8532, 26.2545,
25.0777

■ 42.4739, 31.5694,
32.2238

■ 46.8970, 38.2007,
40.5259

■ 52.1682, 46.2291,
50.0336

■ 58.3300, 55.7288,
60.7936

■ 65.4219, 66.7685,
72.8502

■ 73.4809, 79.4129,
86.2452

Harmonies

Analogous

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



32.5730, 17.2574, 28.7616



32.2683, 17.2574, 10.0178



27.0381, 17.2574, 2.6411

Triad

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



32.2683, 17.2574, 10.0178



8.6518, 17.2574, 3.0718



13.5810, 17.2574, 83.2401

Complementary

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



32.2683, 17.2574, 10.0178



34.1015, 55.5070, 47.4543

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.



9.0015, 17.2574, 60.9221



32.2683, 17.2574, 10.0178



6.7295, 17.2574, 11.4397

Square

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



32.2683, 17.2574, 10.0178



12.9543, 17.2574, 0.9321



6.8369, 17.2574, 31.5962



20.4143, 17.2574, 81.7546

Rectangle

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



32.2683, 17.2574, 10.0178



22.1115, 17.2574, 1.1483



6.8369, 17.2574, 31.5962



11.7722, 17.2574, 77.8515

Sweetspot

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



32.2687, 17.2584, 10.0181



70.5850, 62.0110, 67.0152



29.9747, 14.7376, 70.3717



14.5496, 12.4198, 13.3441



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.



32.2687, 17.2584, 10.0181



42.3077, 21.6871, 7.5523



32.8453, 20.5324, 3.6723



13.8583, 13.7610, 15.0242



18.4157, 9.4333, 3.5890



1.3134, 0.6686, 0.4430

Inverse Universe

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



32.2687, 17.2584, 10.0181



42.3077, 21.6871, 7.5523



30.3474, 38.6673, 74.9709



13.8583, 13.7610, 15.0242



18.4157, 9.4333, 3.5890



1.3134, 0.6686, 0.4430

Previews

White Background



This preview shows how the XYZ color 32.2683, 17.2574, 10.0178 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 32.2683, 17.2574, 10.0178 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 32.2683, 17.2574, 10.0178

Background



This preview shows how black text looks on a background with the XYZ color 32.2683, 17.2574, 10.0178.



This preview shows how white text looks on a background with the XYZ color 32.2683, 17.2574,

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

32.2683, 17.2574, 10.0178

Protanopia

17.0464, 17.6742, 19.9658

Deuteranopia

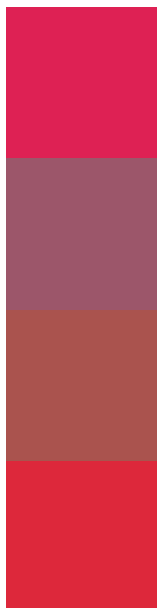
17.7697, 17.4523, 9.0887



Tritanopia

31.1741, 17.3554, 4.0897

Trichromacy



Original Color

32.2683, 17.2574, 10.0178

Protanomaly

19.6396, 14.7641, 15.4503

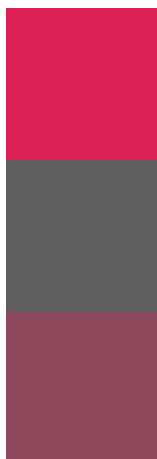
Deuteranomaly

21.0460, 15.2826, 9.0483

Tritanomaly

31.3670, 17.2055, 5.8054

Monochromacy



Original Color

32.2683, 17.2574, 10.0178

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

15.1902, 11.0528, 11.2303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2683, 17.2574, 10.0178 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(222, 33, 84)` looks like.

```
.text, #text, p{  
    color:rgb(222, 33, 84)  
}
```

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(222, 33, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 33, 84) }
```

Border

The CSS property to change the border of an element to XYZ 32.2683, 17.2574, 10.0178 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(222, 33, 84) }
```


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

```
.border{ border-color:rgb(222, 33, 84) }
```

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

Here you see how a box with a 4 pixel rgb(222, 33, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 33, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 33, 84);  
box-shadow:4px 4px 4px 4px rgb(222, 33,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2683, 17.2574, 10.0178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 33, 84) }
```

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

```
.background{ background-color: rgb(222, 33,  
84) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor