

Converting Colors

XYZ(34.5949, 17.8370, 21.2648)

Have a look what the booklet for
XYZ(34.5949, 17.8370, 21.2648)
contains.

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Color

**XYZ(34.4842, 17.7682,
21.3507)**

Conversions

Conversions Part 1

Format	Color
Hex	DF167E
RGB	223, 22, 126
RGB Percent	87%, 9%, 49%
CMY	0.1255, 0.9136, 0.5059
CMYK	0.00, 0.90, 0.43, 0.13
HSL	329°, 82%, 48%
HSV	329°, 90%, 87%
XYZ	34.4842, 17.7682, 21.3507
YIQ	93.9550, 86.4120, 74.9560

Conversions

Conversions Part 2

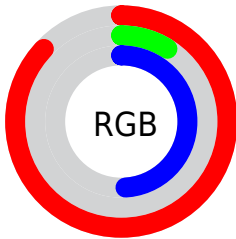
Format	Color
R_{YB}	223, 22, 126
Decimal	14620286
CIE _{Lab}	49.21, 75.52, -3.76
CIE _{LCh}	49, 75.613, 357.153
Yxy	17.7682, 0.4685, 0.2414
Android (android.graphics.Color)	4292810366 (0xFFDF167E)
YUV	93.9550, 15.7982, 113.1725
Hunter-Lab	42.1523, 72.2616, -0.5245

Details

The XYZ color **34.4842, 17.7682, 21.3507** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **30.0506, 54.2787, 26.3549**, and the grayscale version is **10.5819, 11.1330, 12.1238**.

A 20% lighter version of the original color is **53.7444, 33.2500, 46.2331**, and **16.2398, 8.2172, 7.7513** is the 20% darker color. If you saturate the color by 10%, you get **33.5470, 16.9342, 17.8312**, and if you desaturate by 10%, it is **35.8427, 19.3133, 25.4167**.

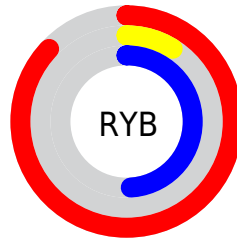
Distribution



Red (87%)

Green (9%)

Blue (49%)



Red (87%)

Yellow (9%)

Blue (49%)

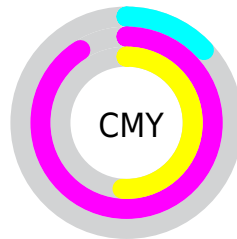


Cyan (0%)

Magenta (90%)

Yellow (43%)

Black (13%)



Cyan (13%)


Magenta (91%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4842, 17.7682, 21.3507 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 34.4842, 17.7682, 21.3507 by changing the saturation by 10% instead.


 34.4842, 17.7682,
21.3507


 34.4842, 17.7682,
21.3507


313.8338,
239.5612, 271.9784


 23.4305, 10.7837,
13.1869


 66.0252, 39.6419,
46.5588


 15.0341, 5.9216,
7.4251


 87.2433, 55.3000,
64.4402


 8.9298, 2.7975,
3.6469


 112.5801, 74.6180,
86.3978

 4.7522, 1.0269,
1.4337

 142.4011, 97.9803,
112.8502

 2.1359, 0.0000,
0.1678

 177.0716,
125.7714, 144.2159

 0.7086, 0.0000,
0.0000

 216.9570,

 0.0000, 0.0000,

158.3757, 180.9135

0.0000

262.4226,
196.1775, 223.3615

■ 34.4842, 17.7682,
21.3507

■ 34.4842, 17.7682,
21.3507

■ 33.5470, 16.9342,
17.8312

■ 35.8427, 19.3133,
25.4167

■ 37.7244, 21.7815,
30.0369

■ 40.1944, 25.2996,
35.2435

■ 43.3072, 29.9735,
41.0652

■ 47.1110, 35.8961,
47.5276

■ 51.6489, 43.1507,
54.6547

■ 56.9604, 51.8134,
62.4688

■ 63.0822, 61.9544,
70.9910

■ 70.0483, 73.6394,
80.2414

Harmonies

Analogous

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



31.1201, 17.7682, 49.1777



34.4842, 17.7682, 21.3507



32.1487, 17.7682, 6.4415

Triad

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



34.4842, 17.7682, 21.3507



11.4008, 17.7682, 1.2534



10.5222, 17.7682, 74.1518

Complementary

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



34.4842, 17.7682, 21.3507



30.0506, 54.2787, 26.3549

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.



7.4326, 17.7682, 43.1848



34.4842, 17.7682, 21.3507



7.8311, 17.7682, 4.9594

Square

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



34.4842, 17.7682, 21.3507



17.5742, 17.7682, 0.6524



6.6060, 17.7682, 17.4719



16.2202, 17.7682, 90.3742

Rectangle

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



34.4842, 17.7682, 21.3507



27.9548, 17.7682, 2.5206



6.6060, 17.7682, 17.4719



9.2122, 17.7682, 64.3909

Sweetspot

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



34.4847, 17.7692, 21.3510



71.9844, 61.7026, 77.0609



20.7847, 9.6030, 70.5699



14.9076, 12.3970, 15.7409



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.



34.4847, 17.7692, 21.3510



45.3996, 22.9238, 23.8340



30.9372, 16.3502, 2.6702



14.0018, 13.8184, 15.7798



19.7827, 9.9801, 10.7872



1.4164, 0.7098, 0.9858

Inverse Universe

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



34.4847, 17.7692, 21.3510



45.3996, 22.9238, 23.8340



39.1527, 57.9195, 74.2857



14.0018, 13.8184, 15.7798



19.7827, 9.9801, 10.7872



1.4164, 0.7098, 0.9858

Previews

White Background



This preview shows how the XYZ color 34.4842, 17.7682, 21.3507 looks on a white background.

Color Contrast Check

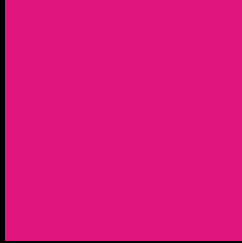
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.4842, 17.7682, 21.3507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

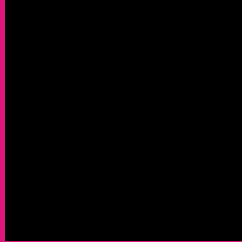
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4842, 17.7682, 21.3507

Background



This preview shows how black text looks on a background with the XYZ color 34.4842, 17.7682, 21.3507.



This preview shows how white text looks on a background with the XYZ color 34.4842, 17.7682,

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

34.4842, 17.7682, 21.3507

Protanopia

19.2059, 18.2323, 45.1547

Deuteranopia

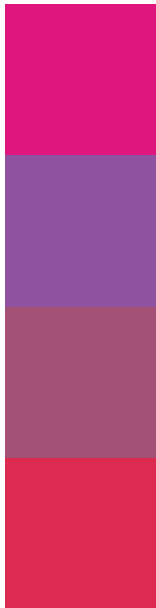
18.4341, 18.0648, 19.3449



Tritanopia

31.1524, 17.8726, 5.2979

Trichromacy



Original Color

34.4842, 17.7682, 21.3507

Protanomaly

20.5178, 14.3234, 34.9410

Deuteranomaly

21.6424, 15.1334, 19.5497

Tritanomaly

31.7911, 17.4508, 9.2822

Monochromacy



Original Color

34.4842, 17.7682, 21.3507

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

15.6531, 10.8376, 14.9025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4842, 17.7682, 21.3507 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(223, 22, 126)` looks like.

```
.text, #text, p{  
    color:rgb(223, 22, 126)  
}
```

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(223, 22, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 22, 126) }
```

Border

The CSS property to change the border of an element to XYZ 34.4842, 17.7682, 21.3507 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(223, 22, 126) }
```


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

```
.border{ border-color:rgb(223, 22, 126) }
```

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

Here you see how a box with a 4 pixel rgb(223, 22, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 22, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 22, 126);  
box-shadow:4px 4px 4px 4px rgb(223, 22,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4842, 17.7682, 21.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 22, 126) }
```

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

```
.background{ background-color: rgb(223, 22,  
126) }
```

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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