

Converting Colors

XYZ(33.5700, 17.7090, 21.5121)

Have a look what the booklet for
XYZ(33.5700, 17.7090, 21.5121)
contains.

XYZ(33.5513, 17.7105, 21.3888)	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(33.5513, 17.7105,
21.3888)**

Conversions

Conversions Part 1

Format	Color
Hex	DB227E
RGB	219, 34, 126
RGB Percent	86%, 13%, 49%
CMY	0.1412, 0.8666, 0.5059
CMYK	0.00, 0.84, 0.42, 0.14
HSL	330°, 73%, 50%
HSV	330°, 84%, 86%
XYZ	33.5513, 17.7105, 21.3888
YIQ	99.8030, 80.7280, 67.8320

Conversions

Conversions Part 2

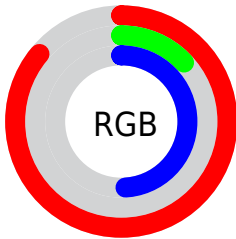
Format	Color
R_{YB}	219, 34, 126
Decimal	14361214
CIE _{Lab}	49.14, 72.58, -3.95
CIE _{LCh}	49, 72.686, 356.887
Yxy	17.7105, 0.4618, 0.2438
Android (android.graphics.Color)	4292551294 (0xFFDB227E)
YUV	99.8030, 12.9151, 104.5358
Hunter-Lab	42.0838, 68.6622, -0.6750

Details

The XYZ color **33.5513, 17.7105, 21.3888** 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 **29.8237, 52.5360, 28.6535**, and the grayscale version is **12.0191, 12.6450, 13.7704**.

A 20% lighter version of the original color is **54.2269, 34.2152, 46.3939**, and **15.4401, 7.8049, 7.7139** is the 20% darker color. If you saturate the color by 10%, you get **32.4402, 16.5634, 17.7040**, and if you desaturate by 10%, it is **35.1397, 19.6869, 25.6188**.

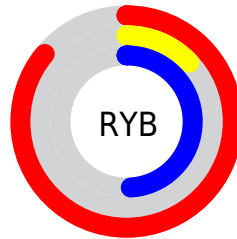
Distribution



Red (86%)

Green (13%)

Blue (49%)



Red (86%)

Yellow (13%)

Blue (49%)

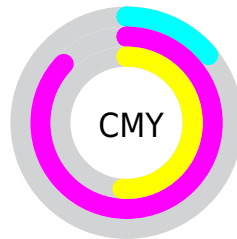


Cyan (0%)

Magenta (84%)

Yellow (42%)

Black (14%)



Cyan (14%)

Magenta (87%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5513, 17.7105, 21.3888 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 33.5513, 17.7105, 21.3888 by changing the saturation by 10% instead.

33.5513, 17.7105,
21.3888

33.5513, 17.7105,
21.3888

309.7479,
239.2342, 272.1862

22.7104, 10.7423,
13.2145

64.5842, 39.5434,
46.6229

14.4993, 5.8939,
7.4440

85.5069, 55.1769,
64.5197

8.5528, 2.7806,
3.6586

110.5209, 74.4677,
86.4945

4.5054, 1.0183,
1.4400

139.9916, 97.8001,
112.9657

1.9918, 0.0000,
0.1726

174.2843,
125.5586, 144.3520

0.6294, 0.0000,
0.0000

213.7643,

0.0000, 0.0000,

158.1275, 181.0718

0.0000

258.7971,
195.8912, 223.5437

■ 33.5513, 17.7105,
21.3888

■ 33.5513, 17.7105,
21.3888

■ 32.4402, 16.5634,
17.7040

■ 35.1397, 19.6869,
25.6188

■ 31.9681, 16.1619,
15.8737

■ 37.2718, 22.6219,
30.4276

■ 40.0042, 26.6248,
35.8457

■ 43.3857, 31.7895,
41.9000

■ 47.4596, 38.1993,
48.6156

■ 52.2653, 45.9301,
56.0157

■ 57.8394, 55.0512,
64.1224

■ 64.2155, 65.6275,
72.9562

■ 71.4256, 77.7195,
82.5371

Harmonies

Analogous

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



30.3286, 17.7105, 47.8186



33.5513, 17.7105, 21.3888



31.3917, 17.7105, 6.8243

Triad

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



33.5513, 17.7105, 21.3888



11.5865, 17.7105, 1.4575



10.6542, 17.7105, 70.7121

Complementary

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



33.5513, 17.7105, 21.3888



29.8237, 52.5360, 28.6535

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.



7.6587, 17.7105, 41.6538



33.5513, 17.7105, 21.3888



8.0863, 17.7105, 5.2099

Square

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



33.5513, 17.7105, 21.3888



17.5531, 17.7105, 0.8495



6.8633, 17.7105, 17.3215



16.1334, 17.7105, 86.0282

Rectangle

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



33.5513, 17.7105, 21.3888



27.4413, 17.7105, 2.8315



6.8633, 17.7105, 17.3215



9.3865, 17.7105, 61.5599

Sweetspot

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



33.5518, 17.7115, 21.3891



73.2379, 63.9557, 78.2611



22.0382, 10.7340, 67.9279



15.1414, 12.8254, 15.9403



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.



33.5518, 17.7115, 21.3891



45.0576, 22.7871, 22.0334



30.0749, 16.3207, 3.0799



13.3247, 13.1590, 14.9710



19.0109, 9.6054, 9.7033



1.2751, 0.6397, 0.8576

Inverse Universe

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



33.5518, 17.7115, 21.3891



45.0576, 22.7871, 22.0334



38.7779, 56.1177, 75.8056



13.3247, 13.1590, 14.9710



19.0109, 9.6054, 9.7033



1.2751, 0.6397, 0.8576

Previews

White Background



This preview shows how the XYZ color 33.5513, 17.7105, 21.3888 looks on a white background.

Color Contrast Check

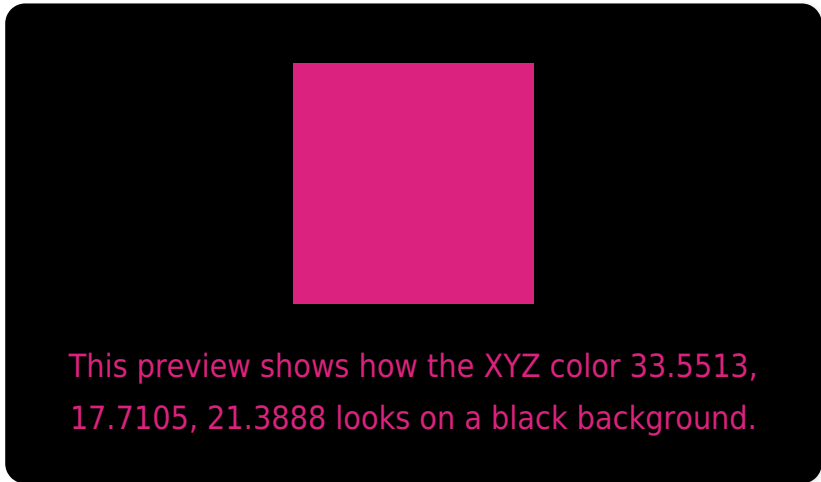
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

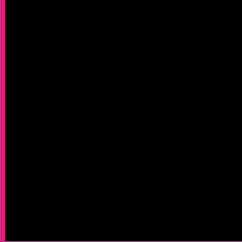
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5513, 17.7105, 21.3888

Background



This preview shows how black text looks on a background with the XYZ color 33.5513, 17.7105, 21.3888.



This preview shows how white text looks on a background with the XYZ color 33.5513, 17.7105,

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

33.5513, 17.7105, 21.3888

Protanopia

19.0203, 18.1826, 43.0646

Deuteranopia

18.2815, 17.9861, 19.3378



Tritanopia

30.3031, 17.6996, 6.0942

Trichromacy



Original Color

33.5513, 17.7105, 21.3888

Protanomaly

20.5689, 14.8407, 33.6787

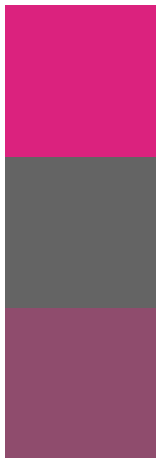
Deuteranomaly

21.5390, 15.5344, 19.6325

Tritanomaly

31.0174, 17.4356, 10.1181

Monochromacy



Original Color

33.5513, 17.7105, 21.3888

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

16.6725, 12.1126, 15.9272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5513, 17.7105, 21.3888 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, 34, 126)` looks like.

```
.text, #text, p{  
  color:rgb(219, 34, 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(219, 34, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 34, 126) }
```

Border

The CSS property to change the border of an element to XYZ 33.5513, 17.7105, 21.3888 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, 34, 126) }
```


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

```
.border{ border-color:rgb(219, 34, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 34, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 34, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 34, 126);  
box-shadow:4px 4px 4px 4px rgb(219, 34,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5513, 17.7105, 21.3888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 34, 126) }
```

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

```
.background{ background-color: rgb(219, 34,  
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](#).

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