

Converting Colors

XYZ(32.4685, 13.4305, 20.3257)

Have a look what the booklet for
XYZ(32.4685, 13.4305, 20.3257)
contains.

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Color

**XYZ(34.4421, 17.3280,
20.9314)**

Conversions

Conversions Part 1

Format	Color
Hex	E0007D
RGB	224, 0, 125
RGB Percent	88%, 0%, 49%
CMY	0.1216, 0.9998, 0.5098
CMYK	0.00, 1.00, 0.44, 0.12
HSL	327°, 100%, 44%
HSV	327°, 100%, 88%
XYZ	34.4421, 17.3280, 20.9314
YIQ	81.2260, 93.3790, 86.3630

Conversions

Conversions Part 2

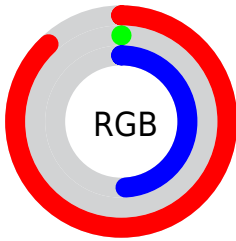
Format	Color
R_{YB}	224, 0, 125
Decimal	14680189
CIE _{Lab}	48.67, 77.71, -3.93
CIE _{LCh}	49, 77.814, 357.108
Yxy	17.3280, 0.4737, 0.2383
Android (android.graphics.Color)	4292870269 (0xFFE0007D)
YUV	81.2260, 21.5806, 125.2128
Hunter-Lab	41.6269, 74.8438, -0.6741

Details

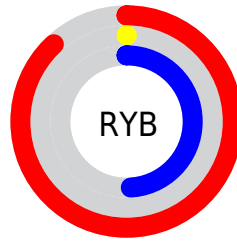
The XYZ color **34.4421, 17.3280, 20.9314** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **28.9107, 54.2132, 20.7575**, and the grayscale version is **7.8171, 8.2242, 8.9561**.

A 20% lighter version of the original color is **53.0902, 32.2630, 45.0242**, and **16.2048, 8.2032, 7.5668** is the 20% darker color. If you saturate the color by 10%, you get **34.4406, 17.3273, 20.9238**, and if you desaturate by 10%, it is **35.4023, 18.1850, 24.5299**.

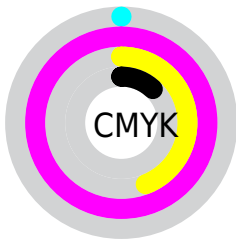
Distribution



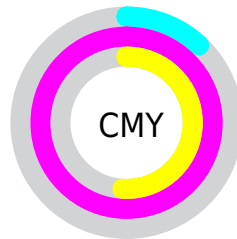
- Red (88%)
- Green (0%)
- Blue (49%)



- Red (88%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (44%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4421, 17.3280, 20.9314 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 34.4421, 17.3280, 20.9314 by changing the saturation by 10% instead.


 34.4421, 17.3280,
20.9314


 34.4421, 17.3280,
20.9314


313.6502,
237.0555, 269.6828


 23.3979, 10.4686,
12.8831


 65.9603, 38.8889,
45.8526


 15.0099, 5.7108,
7.2183


 87.1651, 54.3591,
63.5627


 8.9127, 2.6700,
3.5185


 112.4874, 73.4685,
85.3304

 4.7409, 0.9620,
1.3651

 142.2927, 96.6014,
111.5743

 2.1293, 0.0000,
0.1143

 176.9463,
124.1421, 142.7129

 0.7051, 0.0000,
0.0000

 216.8135,

 0.0000, 0.0000,

156.4751, 179.1649

0.0000

262.2597,
193.9848, 221.3486

■ 34.4421, 17.3280,
20.9314

■ 34.4421, 17.3280,
20.9314

■ 34.4406, 17.3273,
20.9238

■ 35.4023, 18.1850,
24.5299

■ 36.7688, 19.7510,
28.5836

■ 38.6543, 22.2482,
33.1385

■ 41.1232, 25.8033,
38.2242

■ 44.2301, 30.5229,
43.8666

■ 48.0231, 36.5005,
50.0892

■ 52.5453, 43.8201,
56.9137

■ 57.8361, 52.5583,
64.3604

■ 63.9320, 62.7859,
72.4481

Harmonies

Analogous

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



30.9782, 17.3280, 49.4756



34.4421, 17.3280, 20.9314



32.0507, 17.3280, 5.9850

Triad

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



34.4421, 17.3280, 20.9314



10.9505, 17.3280, 1.0254



10.0576, 17.3280, 75.2696

Complementary

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



34.4421, 17.3280, 20.9314



28.9107, 54.2132, 20.7575

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.



6.9903, 17.3280, 43.1969



34.4421, 17.3280, 20.9314



7.3908, 17.3280, 4.5186

Square

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



34.4421, 17.3280, 20.9314



17.1755, 17.3280, 0.4335



6.1782, 17.3280, 16.9435



15.7836, 17.3280, 92.2029

Rectangle

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



34.4421, 17.3280, 20.9314



27.7539, 17.3280, 2.2022



6.1782, 17.3280, 16.9435



8.7528, 17.3280, 65.1254

Sweetspot

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



34.4426, 17.3290, 20.9317



70.3355, 58.5303, 76.1243



18.3950, 7.9296, 71.0817



14.4791, 11.5909, 15.4419



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.



34.4426, 17.3290, 20.9317



46.1431, 23.2212, 27.7493



30.8270, 15.8828, 1.8922



14.0258, 13.8280, 15.9060



20.1058, 10.1093, 12.4887



1.4385, 0.7187, 1.1018

Inverse Universe

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



34.4426, 17.3290, 20.9317



46.1431, 23.2212, 27.7493



38.1734, 57.9183, 69.5342



14.0258, 13.8280, 15.9060



20.1058, 10.1093, 12.4887



1.4385, 0.7187, 1.1018

Previews

White Background



This preview shows how the XYZ color 34.4421, 17.3280, 20.9314 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 34.4421, 17.3280, 20.9314

Background



This preview shows how black text looks on a background with the XYZ color 34.4421, 17.3280, 20.9314.



This preview shows how white text looks on a background with the XYZ color 34.4421, 17.3280,

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

34.4421, 17.3280, 20.9314

Protanopia

19.0883, 17.9897, 45.6463

Deuteranopia

18.1651, 17.9396, 18.7249



Tritanopia

31.2315, 17.7271, 4.7932

Trichromacy



Original Color

34.4421, 17.3280, 20.9314



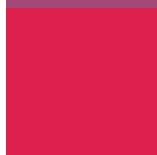
Protanomaly

19.8830, 13.0539, 34.7294



Deuteranomaly

21.0222, 13.9895, 19.0450



Tritanomaly

31.6749, 16.9410, 8.6217

Monochromacy



Original Color

34.4421, 17.3280, 20.9314



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.0585, 8.3056, 12.2241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4421, 17.3280, 20.9314 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(224, 0, 125)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 125)  
}
```

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(224, 0, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 125) }
```

Border

The CSS property to change the border of an element to XYZ 34.4421, 17.3280, 20.9314 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(224, 0, 125) }
```


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

```
.border{ border-color:rgb(224, 0, 125) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 125);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4421, 17.3280, 20.9314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 125) }
```

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

```
.background{ background-color: rgb(224, 0,  
125) }
```

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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