

Converting Colors

XYZ(34.5683, 17.5786, 12.5541)

Have a look what the booklet for
XYZ(34.5683, 17.5786, 12.5541)
contains.

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Color

**XYZ(34.4244, 17.5025,
12.6303)**

Conversions

Conversions Part 1

Format	Color
Hex	E50060
RGB	229, 0, 96
RGB Percent	90%, 0%, 38%
CMY	0.1020, 0.9998, 0.6235
CMYK	0.00, 1.00, 0.58, 0.10
HSL	335°, 100%, 45%
HSV	335°, 100%, 90%
XYZ	34.4244, 17.5025, 12.6303
YIQ	79.4150, 105.6680, 78.4040

Conversions

Conversions Part 2

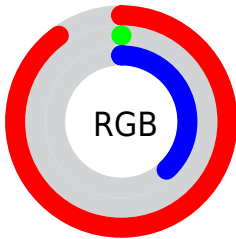
Format	Color
RYB	229, 0, 96
Decimal	15007840
CIELab	48.89, 76.72, 14.33
CIELCh	49, 78.049, 10.583
Yxy	17.5025, 0.5332, 0.2711
Android (android.graphics.Color)	4293197920 (0xFFE50060)
YUV	79.4150, 8.1764, 131.1860
Hunter-Lab	41.8360, 73.6643, 11.3855

Details

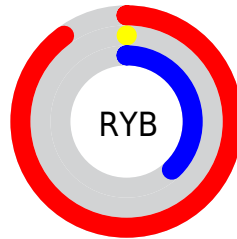
The XYZ color **34.4244, 17.5025, 12.6303** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **32.2569, 57.7335, 31.6520**, and the grayscale version is **7.4874, 7.8774, 8.5784**.

A 20% lighter version of the original color is **50.3427, 31.1640, 30.5560**, and **16.3234, 8.3460, 3.8826** is the 20% darker color. If you saturate the color by 10%, you get **34.4229, 17.5019, 12.6232**, and if you desaturate by 10%, it is **35.3950, 18.3794, 16.2358**.

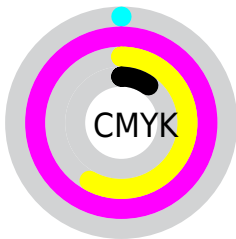
Distribution



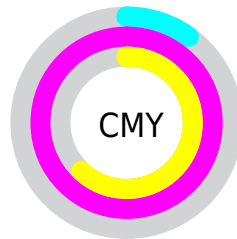
- Red (90%)
- Green (0%)
- Blue (38%)



- Red (90%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4244, 17.5025, 12.6303 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 34.4244, 17.5025, 12.6303 by changing the saturation by 10% instead.


 34.4244, 17.5025,
12.6303


 34.4244, 17.5025,
12.6303


313.5730,
238.0517, 219.6585


 23.3843, 10.5934,
7.0467


 65.9330, 39.1877,
31.3194


 14.9997, 5.7941,
3.4125


 87.1322, 54.7327,
45.2620


 8.9055, 2.7203,
1.3089


 112.4485, 73.9250,
62.8280

 4.7362, 0.9875,
0.0691

 142.2471, 97.1492,
84.4360

 2.1265, 0.0000,
0.0000

 176.8936,
124.7896, 110.5045

 0.7036, 0.0000,
0.0000

 216.7531,

 0.0000, 0.0000,

157.2305, 141.4521

0.0000

262.1912,
194.8564, 177.6972

■ 34.4244, 17.5025,
12.6303

■ 34.4244, 17.5025,
12.6303

■ 34.4229, 17.5019,
12.6232

■ 35.3950, 18.3794,
16.2358

■ 36.8347, 20.0205,
20.5328

■ 38.8632, 22.6586,
25.5839

■ 41.5516, 26.4285,
31.4337

■ 44.9600, 31.4442,
38.1225

■ 49.1412, 37.8050,
45.6868

■ 54.1430, 45.6006,
54.1609

■ 60.0090, 54.9127,
63.5767

■ 66.7798, 65.8168,
73.9646

Harmonies

Analogous

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



33.5307, 17.5025, 35.6298



34.4244, 17.5025, 12.6303



29.6126, 17.5025, 3.1044

Triad

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



34.4244, 17.5025, 12.6303



9.1207, 17.5025, 1.9806



12.4220, 17.5025, 86.8540

Complementary

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



34.4244, 17.5025, 12.6303



32.2569, 57.7335, 31.6520

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.



8.1419, 17.5025, 58.5631



34.4244, 17.5025, 12.6303



6.6544, 17.5025, 8.6351

Square

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



34.4244, 17.5025, 12.6303



14.2066, 17.5025, 0.5290



6.3575, 17.5025, 27.3614



19.3268, 17.5025, 91.2986

Rectangle

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



34.4244, 17.5025, 12.6303



24.4564, 17.5025, 1.1506



6.3575, 17.5025, 27.3614



10.6900, 17.5025, 79.1909

Sweetspot

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



34.4248, 17.5036, 12.6306



68.9629, 57.9812, 68.8961



23.3168, 10.3873, 74.9044



14.1552, 11.4613, 13.7361



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.



34.4248, 17.5036, 12.6306



43.8869, 22.3187, 15.8682



32.4885, 17.0086, 1.5721



14.6263, 14.4677, 16.2325



19.7384, 10.0296, 7.5176



1.5041, 0.7593, 0.7951

Inverse Universe

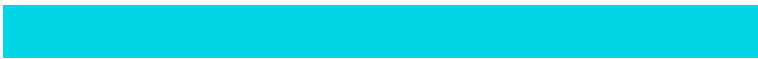
The Inverse Universe completely reimagines the original color for something new.



34.4248, 17.5036, 12.6306



43.8869, 22.3187, 15.8682



38.1233, 53.6172, 82.4682



14.6263, 14.4677, 16.2325



19.7384, 10.0296, 7.5176



1.5041, 0.7593, 0.7951

Previews

White Background



This preview shows how the XYZ color 34.4244, 17.5025, 12.6303 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 34.4244, 17.5025, 12.6303 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 34.4244, 17.5025, 12.6303

Background



This preview shows how black text looks on a background with the XYZ color 34.4244, 17.5025, 12.6303.



This preview shows how white text looks on a background with the XYZ color 34.4244, 17.5025,

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

34.4244, 17.5025, 12.6303

Protanopia

17.9050, 18.1267, 27.3661

Deuteranopia

18.4001, 18.0576, 11.3198



Tritanopia

32.7056, 17.8507, 3.4720

Trichromacy



Original Color

34.4244, 17.5025, 12.6303



Protanomaly

19.6044, 13.3214, 20.6068



Deuteranomaly

21.1761, 14.1436, 11.2867



Tritanomaly

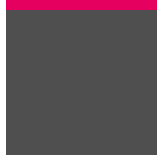
33.0853, 17.4527, 5.6279

Monochromacy



Original Color

34.4244, 17.5025, 12.6303



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.6118, 8.0054, 9.4748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4244, 17.5025, 12.6303 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(229, 0, 96)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 96)  
}
```

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(229, 0, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 96) }
```

Border

The CSS property to change the border of an element to XYZ 34.4244, 17.5025, 12.6303 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(229, 0, 96) }
```


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

```
.border{ border-color:rgb(229, 0, 96) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 96);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.4244, 17.5025, 12.6303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 96) }
```

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

```
.background{ background-color: rgb(229, 0,  
96) }
```

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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