

Converting Colors

XYZ(40.9843, 20.2353, 42.2582)

Have a look what the booklet for
XYZ(40.9843, 20.2353, 42.2582)
contains.

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Color

**XYZ(41.0166, 20.2510,
42.3044)**

Conversions

Conversions Part 1

Format	Color
Hex	E800AF
RGB	232, 0, 175
RGB Percent	91%, 0%, 69%
CMY	0.0902, 0.9998, 0.3137
CMYK	0.00, 1.00, 0.25, 0.09
HSL	315°, 100%, 45%
HSV	315°, 100%, 91%
XYZ	41.0166, 20.2510, 42.3044
YIQ	89.3180, 82.0970, 103.6090

Conversions

Conversions Part 2

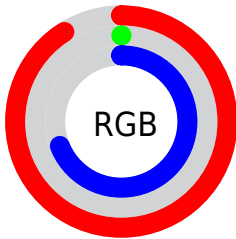
Format	Color
R_{YB}	232, 0, 175
Decimal	15204527
CIE _{Lab}	52.12, 84.22, -28.49
CIE _{LCh}	52, 88.911, 341.310
Yxy	20.2510, 0.3960, 0.1955
Android (android.graphics.Color)	4293394607 (0xFFE800AF)
YUV	89.3180, 42.2412, 125.1321
Hunter-Lab	45.0011, 83.9432, -24.2362

Details

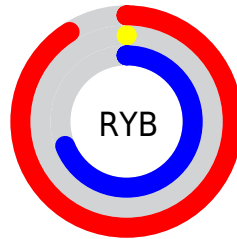
The XYZ color **41.0166, 20.2510, 42.3044** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **29.5971, 58.0097, 13.5143**, and the grayscale version is **9.4686, 9.9617, 10.8483**.

A 20% lighter version of the original color is **59.9385, 35.5789, 79.3096**, and **20.3074, 10.0631, 19.2844** is the 20% darker color. If you saturate the color by 10%, you get **41.0156, 20.2506, 42.2984**, and if you desaturate by 10%, it is **41.9001, 21.1025, 45.4204**.

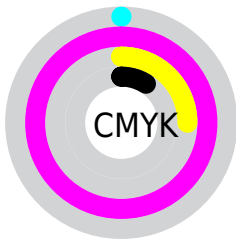
Distribution



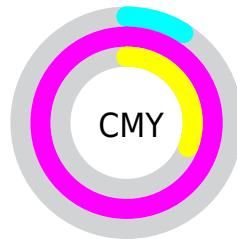
- Red (91%)
- Green (0%)
- Blue (69%)



- Red (91%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.0166, 20.2510, 42.3044 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 41.0166, 20.2510, 42.3044 by changing the saturation by 10% instead.

 41.0166, 20.2510,
42.3044


 41.0166, 20.2510,
42.3044

341.4514,
253.2707, 371.5801

 28.5198, 12.5776,
29.0124


 75.9836, 43.8376,
79.9352


 18.8603, 7.1384,
18.8445


 99.1846, 60.5196,
105.1110


 11.6728, 3.5488,
11.3823


 126.6843, 80.9733,
135.0852

 6.5919, 1.4245,
6.2072

 158.8481,
105.5831, 170.2762

 3.2523, 0.2347,
2.9007

 196.0413,
134.7333, 211.1027

 1.2885, 0.0000,
1.0441

 238.6294,

 0.1746, 0.0000,

168.8084, 257.9831

0.0000

286.9776,
208.1927, 311.3361

■ 0.0000, 0.0000,
0.0000

■ 41.0166, 20.2510,
42.3044

■ 41.0166, 20.2510,
42.3044

■ 41.0156, 20.2506,
42.2984

■ 41.9001, 21.1025,
45.4204

■ 43.1793, 22.7074,
48.7863

■ 44.9731, 25.3028,
52.4431

■ 47.3505, 29.0263,
56.4153

■ 50.3698, 33.9939,
60.7235

■ 54.0819, 40.3070,
65.3860

■ 58.5324, 48.0566,
70.4194

■ 63.7631, 57.3256,
75.8387

■ 69.8125, 68.1908,
81.6582

Harmonies

Analogous

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



33.2517, 20.2510, 85.1086



41.0166, 20.2510, 42.3044



41.9888, 20.2510, 13.6148

Triad

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



41.0166, 20.2510, 42.3044



16.0184, 20.2510, 0.1872



8.8748, 20.2510, 74.3792

Complementary

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



41.0166, 20.2510, 42.3044



29.5971, 58.0097, 13.5143

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.



6.6893, 20.2510, 33.4011



41.0166, 20.2510, 42.3044



9.8589, 20.2510, 1.7698

Square

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



41.0166, 20.2510, 42.3044



25.4124, 20.2510, 0.3943



6.9814, 20.2510, 9.5809



14.1709, 20.2510, 111.6337

Rectangle

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



41.0166, 20.2510, 42.3044



38.3851, 20.2510, 4.9216



6.9814, 20.2510, 9.5809



7.8406, 20.2510, 59.6534

Sweetspot

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



41.0173, 20.2521, 42.3047



72.4296, 59.3679, 87.1516



16.0966, 6.6163, 76.7730



14.9795, 11.7910, 18.0767



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.



41.0173, 20.2521, 42.3047



50.7917, 25.0807, 52.2286



34.1462, 17.5037, 6.1222



14.8358, 14.5515, 17.3356



22.8226, 11.2632, 23.7583



1.7227, 0.8468, 1.9461

Inverse Universe

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



41.0173, 20.2521, 42.3047



50.7917, 25.0807, 52.2286



36.1269, 60.6216, 47.9000



14.8358, 14.5515, 17.3356



22.8226, 11.2632, 23.7583



1.7227, 0.8468, 1.9461

Previews

White Background



This preview shows how the XYZ color 41.0166, 20.2510, 42.3044 looks on a white background.

Color Contrast Check

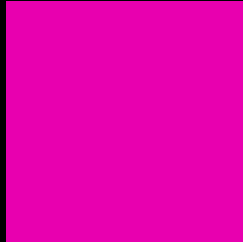
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 41.0166, 20.2510, 42.3044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

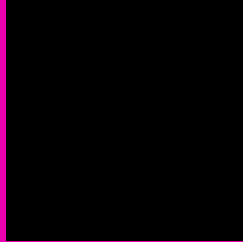
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.0166, 20.2510, 42.3044

Background



This preview shows how black text looks on a background with the XYZ color 41.0166, 20.2510, 42.3044.



This preview shows how white text looks on a background with the XYZ color 41.0166, 20.2510,

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

41.0166, 20.2510, 42.3044

Protanopia

25.1851, 21.3395, 92.4141

Deuteranopia

21.3797, 20.9472, 38.0383



Tritanopia

34.0383, 20.5714, 8.3076

Trichromacy



Original Color

41.0166, 20.2510, 42.3044



Protanomaly

22.8486, 14.3001, 70.6632



Deuteranomaly

24.1619, 15.7900, 38.8201



Tritanomaly

35.3396, 19.2364, 16.3184

Monochromacy



Original Color

41.0166, 20.2510, 42.3044



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.8378, 9.9450, 18.8541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0166, 20.2510, 42.3044 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(232, 0, 175)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 175)  
}
```

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(232, 0, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 175) }
```

Border

The CSS property to change the border of an element to XYZ 41.0166, 20.2510, 42.3044 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(232, 0, 175) }
```


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

```
.border{ border-color:rgb(232, 0, 175) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 175);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0166, 20.2510, 42.3044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 175) }
```

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

```
.background{ background-color: rgb(232, 0,  
175) }
```

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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