

Converting Colors

XYZ(44.0764, 21.4768, 58.3327)

Have a look what the booklet for
XYZ(44.0764, 21.4768, 58.3327)
contains.

XYZ(44.0582, 21.4676, 58.3214)	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(44.0582, 21.4676,
58.3214)**

Conversions

Conversions Part 1

Format	Color
Hex	E800CB
RGB	232, 0, 203
RGB Percent	91%, 0%, 80%
CMY	0.0902, 0.9998, 0.2039
CMYK	0.00, 1.00, 0.13, 0.09
HSL	308°, 100%, 45%
HSV	308°, 100%, 91%
XYZ	44.0582, 21.4676, 58.3214
YIQ	92.5100, 73.1090, 112.3170

Conversions

Conversions Part 2

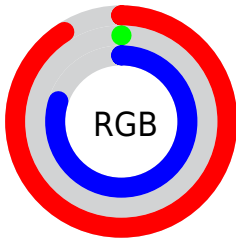
Format	Color
R_{YB}	232, 0, 203
Decimal	15204555
CIE _{Lab}	53.46, 87.57, -42.67
CIE _{LCh}	53, 97.417, 334.022
Yxy	21.4676, 0.3557, 0.1733
Android (android.graphics.Color)	4293394635 (0xFFE800CB)
YUV	92.5100, 54.4716, 122.3327
Hunter-Lab	46.3331, 88.6527, -42.1975

Details

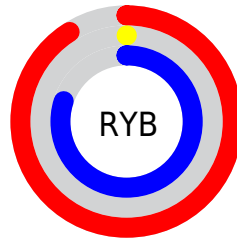
The XYZ color **44.0582, 21.4676, 58.3214** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **29.0797, 57.8029, 10.7896**, and the grayscale version is **10.1622, 10.6914, 11.6430**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **22.1399, 10.7960, 28.9339** is the 20% darker color. If you saturate the color by 10%, you get **44.0579, 21.4675, 58.3184**, and if you desaturate by 10%, it is **44.7188, 22.2298, 60.2632**.

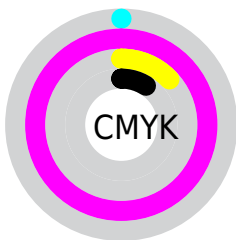
Distribution



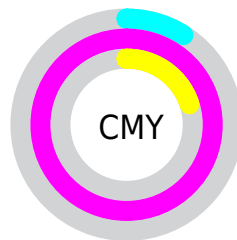
- Red (91%)
- Green (0%)
- Blue (80%)



- Red (91%)
- Yellow (0%)
- Blue (80%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.0582, 21.4676, 58.3214 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 44.0582, 21.4676, 58.3214 by changing the saturation by 10% instead.


 44.0582, 21.4676,
58.3214

 44.0582, 21.4676,
58.3214

353.7939,
259.7532, 436.0141


 30.9144, 13.4662,
41.6507

 80.5511, 45.8645,
103.9101


 20.6852, 7.7504,
28.5043


 104.6309, 63.0287,
133.6652

 13.0052, 3.9356,
18.4638


 133.0868, 84.0161,
168.6189

 7.5092, 1.6376,
11.1106

 166.2840,
109.2110, 209.1896

 3.8317, 0.3828,
6.0262

 204.5880,
138.9977, 255.7960

 1.6073, 0.0000,
2.7920

248.3640,

 0.3972, 0.0000,

173.7607, 308.8565

0.9894

297.9776,
213.8844, 368.7897

■ 0.0000, 0.0000,
0.0000

■ 44.0582, 21.4676,
58.3214

■ 44.0582, 21.4676,
58.3214

■ 44.0579, 21.4675,
58.3184

■ 44.7188, 22.2298,
60.2632

■ 45.7574, 23.7383,
62.3631

■ 47.2930, 26.2301,
64.6608

■ 49.3943, 29.8429,
67.1795

■ 52.1193, 34.6925,
69.9387

■ 55.5186, 40.8802,
72.9554

■ 59.6378, 48.4970,
76.2450

■ 64.5183, 57.6256,
79.8215

■ 70.1985, 68.3428,
83.6977

Harmonies

Analogous

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



33.7008, 21.4676, 109.6939



44.0582, 21.4676, 58.3214



47.4202, 21.4676, 19.5972

Triad

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



44.0582, 21.4676, 58.3214



19.0388, 21.4676, 0.0000



7.9478, 21.4676, 72.0224

Complementary

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



44.0582, 21.4676, 58.3214



29.0797, 57.8029, 10.7896

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.



6.2868, 21.4676, 27.6086



44.0582, 21.4676, 58.3214



11.1657, 21.4676, 0.7989

Square

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



44.0582, 21.4676, 58.3214



30.4314, 21.4676, 0.3212



7.2257, 21.4676, 6.2339



12.8642, 21.4676, 121.2963

Rectangle

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



44.0582, 21.4676, 58.3214



44.5398, 21.4676, 6.9938



7.2257, 21.4676, 6.2339



7.0828, 21.4676, 55.1357

Sweetspot

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



44.0590, 21.4687, 58.3218



73.8081, 59.9193, 94.4108



15.0208, 6.0616, 76.7229



15.3124, 11.9242, 19.8295



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.



44.0590, 21.4687, 58.3218



54.5753, 26.5941, 72.1527



35.0809, 17.8775, 11.0440



14.9135, 14.5826, 17.7447



24.4913, 11.9307, 32.5459



1.8317, 0.8904, 2.5201

Inverse Universe

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



44.0590, 21.4687, 58.3218



54.5753, 26.5941, 72.1527



33.8216, 59.6997, 35.7603



14.9135, 14.5826, 17.7447



24.4913, 11.9307, 32.5459



1.8317, 0.8904, 2.5201

Previews

White Background



This preview shows how the XYZ color 44.0582, 21.4676, 58.3214 looks on a white background.

Color Contrast Check

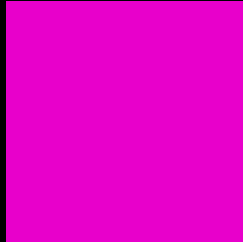
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.0582, 21.4676, 58.3214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

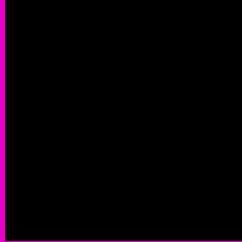
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.0582, 21.4676, 58.3214

Background



This preview shows how black text looks on a background with the XYZ color 44.0582, 21.4676, 58.3214.



This preview shows how white text looks on a background with the XYZ color 44.0582, 21.4676,

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

44.0582, 21.4676, 58.3214

Protanopia

26.4658, 22.4451, 97.5452

Deuteranopia

22.7167, 22.0835, 52.3555



Tritanopia

34.3271, 21.7654, 10.9862

Trichromacy



Original Color

44.0582, 21.4676, 58.3214



Protanomaly

24.8190, 15.3042, 81.0028



Deuteranomaly

25.3704, 16.3090, 53.4405



Tritanomaly

36.1314, 19.9337, 22.3653

Monochromacy



Original Color

44.0582, 21.4676, 58.3214



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.2992, 10.7507, 23.3536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.0582, 21.4676, 58.3214 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 203) }
```

Border

The CSS property to change the border of an element to XYZ 44.0582, 21.4676, 58.3214 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, 203) }
```


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

```
.border{ border-color:rgb(232, 0, 203) }
```

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, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 203);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 44.0582, 21.4676, 58.3214 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, 203) }
```

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

```
.background{ background-color: rgb(232, 0,  
203) }
```

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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