

Converting Colors

XYZ(41.8524, 20.9648, 60.8741)

Have a look what the booklet for
XYZ(41.8524, 20.9648, 60.8741)
contains.

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Color

**XYZ(41.8510, 20.9631,
60.8720)**

Conversions

Conversions Part 1

Format	Color
Hex	DE1ECF
RGB	222, 30, 207
RGB Percent	87%, 12%, 81%
CMY	0.1294, 0.8823, 0.1882
CMYK	0.00, 0.86, 0.07, 0.13
HSL	305°, 76%, 49%
HSV	305°, 86%, 87%
XYZ	41.8510, 20.9631, 60.8720
YIQ	107.5860, 57.6150, 95.7510

Conversions

Conversions Part 2

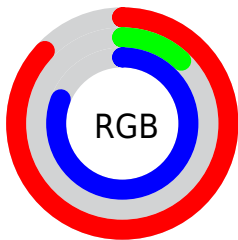
Format	Color
R _Y B	222, 30, 207
Decimal	14556879
CIE Lab	52.91, 83.37, -45.95
CIE LCh	53, 95.190, 331.137
Yxy	20.9631, 0.3384, 0.1695
Android (android.graphics.Color)	4292746959 (0xFFDE1ECF)
YUV	107.5860, 49.0111, 100.3411
Hunter-Lab	45.7855, 83.0364, -46.7765

Details

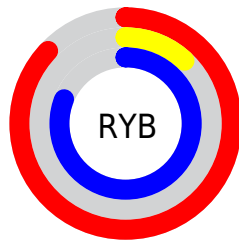
The XYZ color **41.8510, 20.9631, 60.8720** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **27.1314, 52.7091, 11.2281**, and the grayscale version is **13.9969, 14.7258, 16.0364**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **20.5678, 9.9484, 30.5419** is the 20% darker color. If you saturate the color by 10%, you get **41.2610, 20.1201, 59.6348**, and if you desaturate by 10%, it is **42.8381, 22.5953, 62.2533**.

Distribution



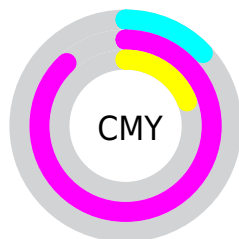
- Red (87%)
- Green (12%)
- Blue (81%)



- Red (87%)
- Yellow (12%)
- Blue (81%)



- Cyan (0%)
- Magenta (86%)
- Yellow (7%)
- Black (13%)





- Cyan (13%)
- Magenta (88%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8510, 20.9631, 60.8720 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 41.8510, 20.9631, 60.8720 by changing the saturation by 10% instead.

 41.8510, 20.9631,
60.8720

 41.8510, 20.9631,
60.8720


344.8670,
257.0823, 445.6981


 29.1752, 13.0970,
43.6920


 77.2407, 45.0261,
107.6493

 19.3584, 7.4954,
30.0930


 100.6852, 61.9919,
138.0837

 12.0351, 3.7738,
19.6566


 128.4502, 82.7596,
173.7733

 6.8399, 1.5479,
11.9640

 160.9008,
107.7138, 215.1366

 3.4076, 0.3221,
6.5970

 198.4024,
137.2387, 262.5922

 1.3728, 0.0000,
3.1367

241.3204,

 0.2367, 0.0000,

171.7189, 316.5586

1.1649

290.0202,
211.5386, 377.4544

■ 0.0000, 0.0000,
0.0000

■ 41.8510, 20.9631,
60.8720

■ 41.8510, 20.9631,
60.8720

■ 41.2610, 20.1201,
59.6348

■ 42.8381, 22.5953,
62.2533

■ 41.1025, 19.9210,
59.2184

■ 44.2927, 25.1595,
63.8018

■ 46.2733, 28.7720,
65.5372

■ 48.8293, 33.5314,
67.4760

■ 52.0042, 39.5251,
69.6328

■ 55.8377, 46.8318,
72.0208

■ 60.3656, 55.5239,
74.6520

■ 65.6217, 65.6683,
77.5376

■ 71.6372, 77.3278,
80.6881

Harmonies

Analogous

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



31.5626, 20.9631, 109.3499



41.8510, 20.9631, 60.8720



45.8701, 20.9631, 21.7540

Triad

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



41.8510, 20.9631, 60.8720



19.5472, 20.9631, 0.0000



7.6145, 20.9631, 64.5700

Complementary

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



41.8510, 20.9631, 60.8720



27.1314, 52.7091, 11.2281

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.



6.2534, 20.9631, 23.9311



41.8510, 20.9631, 60.8720



11.5701, 20.9631, 0.6814

Square

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



41.8510, 20.9631, 60.8720



30.6764, 20.9631, 0.5493



7.4161, 20.9631, 5.2639



12.0343, 20.9631, 112.4724

Rectangle

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



41.8510, 20.9631, 60.8720



43.6659, 20.9631, 8.2070



7.4161, 20.9631, 5.2639



6.8659, 20.9631, 48.8748

Sweetspot

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



41.8518, 20.9641, 60.8724



76.6002, 64.4171, 98.6907



14.6381, 6.7129, 69.6324



15.9789, 12.9915, 20.8710



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.



41.8518, 20.9641, 60.8724



56.2463, 27.2625, 80.9521



33.5817, 17.6561, 17.3225



14.2464, 13.9162, 17.0677



24.4328, 11.8401, 35.2743



1.7075, 0.8263, 2.5184

Inverse Universe

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



41.8518, 20.9641, 60.8724



56.2463, 27.2625, 80.9521



31.3036, 54.3780, 33.1984



14.2464, 13.9162, 17.0677



24.4328, 11.8401, 35.2743



1.7075, 0.8263, 2.5184

Previews

White Background



This preview shows how the XYZ color 41.8510, 20.9631, 60.8720 looks on a white background.

Color Contrast Check

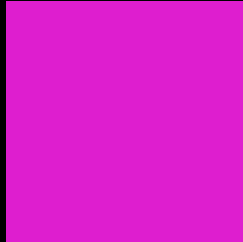
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.8510, 20.9631, 60.8720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

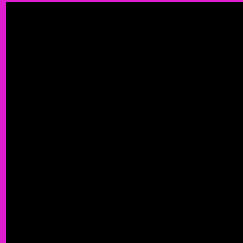
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.8510, 20.9631, 60.8720

Background



This preview shows how black text looks on a background with the XYZ color 41.8510, 20.9631, 60.8720.



This preview shows how white text looks on a background with the XYZ color 41.8510, 20.9631,

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

41.8510, 20.9631, 60.8720

Protanopia

25.7602, 21.7093, 97.4403

Deuteranopia

21.9539, 21.4460, 54.6122



Tritanopia

31.6723, 20.9368, 12.0448

Trichromacy



Original Color

41.8510, 20.9631, 60.8720



Protanomaly

24.4845, 16.1426, 82.7143



Deuteranomaly

24.9512, 17.3533, 56.0673



Tritanomaly

33.8555, 19.7702, 24.2219

Monochromacy



Original Color

41.8510, 20.9631, 60.8720



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

20.2971, 14.1405, 28.0452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8510, 20.9631, 60.8720 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(222, 30, 207)` looks like.

```
.text, #text, p{  
    color:rgb(222, 30, 207)  
}
```

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(222, 30, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 30, 207) }
```

Border

The CSS property to change the border of an element to XYZ 41.8510, 20.9631, 60.8720 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(222, 30, 207) }
```


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

```
.border{ border-color:rgb(222, 30, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 30, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 30, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 30, 207);  
box-shadow:4px 4px 4px 4px rgb(222, 30,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8510, 20.9631, 60.8720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 30, 207) }
```

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

```
.background{ background-color: rgb(222, 30,  
207) }
```

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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