

Converting Colors

XYZ(42.5345, 20.5792, 62.8971)

Have a look what the booklet for
XYZ(42.5345, 20.5792, 62.8971)
contains.

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Color

**XYZ(42.3733, 20.5004,
62.6964)**

Conversions

Conversions Part 1

Format	Color
Hex	E000D2
RGB	224, 0, 210
RGB Percent	88%, 0%, 82%
CMY	0.1216, 0.9999, 0.1765
CMYK	0.00, 1.00, 0.06, 0.12
HSL	304°, 100%, 44%
HSV	304°, 100%, 88%
XYZ	42.3733, 20.5004, 62.6964
YIQ	90.9160, 66.0940, 112.7980

Conversions

Conversions Part 2

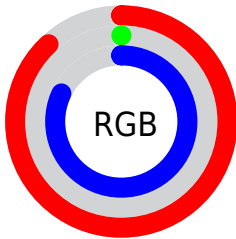
Format	Color
R_{YB}	224, 0, 210
Decimal	14680274
CIE _{Lab}	52.40, 87.14, -48.46
CIE _{LCh}	52, 99.711, 330.921
Yxy	20.5004, 0.3374, 0.1633
Android (android.graphics.Color)	4292870354 (0xFFE000D2)
YUV	90.9160, 58.7084, 116.7147
Hunter-Lab	45.2774, 87.8157, -50.4058

Details

The XYZ color **42.3733, 20.5004, 62.6964** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **26.7359, 53.3439, 9.3040**, and the grayscale version is **9.7902, 10.3001, 11.2168**.

A 20% lighter version of the original color is **63.5647, 37.0294, 98.4049**, and **21.2262, 10.2591, 31.8718** is the 20% darker color. If you saturate the color by 10%, you get **42.3735, 20.5005, 62.6952**, and if you desaturate by 10%, it is **42.8443, 21.1613, 63.7181**.

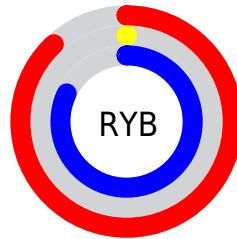
Distribution



Red (88%)

Green (0%)

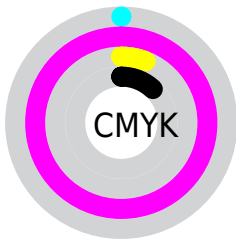
Blue (82%)



Red (88%)

Yellow (0%)

Blue (82%)

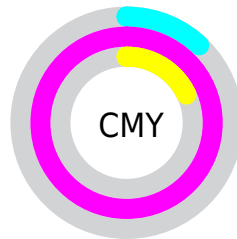


Cyan (0%)

Magenta (100%)

Yellow (6%)

Black (12%)



Cyan (12%)


Magenta (100%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3733, 20.5004, 62.6964 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 42.3733, 20.5004, 62.6964 by changing the saturation by 10% instead.


 42.3733, 20.5004,
62.6964


 42.3733, 20.5004,
62.6964


346.9934,
254.6113, 452.5444


 29.5861, 12.7593,
45.1562


 78.0259, 44.2546,
110.3127


 19.6711, 7.2630,
31.2367


 101.6220, 61.0364,
141.2260

 12.2631, 3.6271,
20.5191


 129.5518, 81.6007,
177.4340

 6.9966, 1.4672,
12.5852

 162.1807,
106.3317, 219.3553

 3.5063, 0.2655,
7.0162

 199.8739,
135.6139, 267.4084

 1.4268, 0.0000,
3.3936

 242.9968,

 0.2752, 0.0000,

169.8316, 322.0120

1.2990

291.9149,
209.3693, 383.5845

■ 0.0000, 0.0000,
0.0609

■ 0.0000, 0.0000,
0.0000

■ 42.3733, 20.5004,
62.6964

■ 42.3733, 20.5004,
62.6964

■ 42.3735, 20.5005,
62.6952

■ 42.8443, 21.1613,
63.7181

■ 43.6579, 22.5057,
64.8614

■ 44.9253, 24.7551,
66.1636

■ 46.7095, 28.0357,
67.6456

■ 49.0635, 32.4535,
69.3251

■ 52.0338, 38.1014,
71.2177

■ 55.6621, 45.0627,
73.3373

■ 59.9864, 53.4136,
75.6965

■ 65.0418, 63.2242,
78.3072

Harmonies

Analogous

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



31.5119, 20.5004, 114.6453



42.3733, 20.5004, 62.6964



46.6907, 20.5004, 21.4234

Triad

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



42.3733, 20.5004, 62.6964



19.1689, 20.5004, 0.0000



6.9697, 20.5004, 65.8879

Complementary

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



42.3733, 20.5004, 62.6964



26.7359, 53.3439, 9.3040

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.



5.6487, 20.5004, 23.2442



42.3733, 20.5004, 62.6964



10.9893, 20.5004, 0.3358

Square

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



42.3733, 20.5004, 62.6964



30.7594, 20.5004, 0.2237



6.8108, 20.5004, 4.5626



11.3694, 20.5004, 117.3766

Rectangle

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



42.3733, 20.5004, 62.6964



44.3998, 20.5004, 7.5933



6.8108, 20.5004, 4.5626



6.2379, 20.5004, 49.2582

Sweetspot

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



42.3741, 20.5014, 62.6968



74.5496, 60.2159, 98.3153



13.5962, 5.4554, 70.8582



15.4924, 11.9962, 20.7775



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.



42.3741, 20.5014, 62.6968



56.8287, 27.4955, 84.0192



33.0813, 16.7843, 13.7618



14.2561, 13.9201, 17.1187



24.6802, 11.9391, 36.5775



1.7221, 0.8321, 2.5952

Inverse Universe

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



42.3741, 20.5014, 62.6968



56.8287, 27.4955, 84.0192



30.2451, 54.7476, 27.7832



14.2561, 13.9201, 17.1187



24.6802, 11.9391, 36.5775



1.7221, 0.8321, 2.5952

Previews

White Background



This preview shows how the XYZ color 42.3733, 20.5004, 62.6964 looks on a white background.

Color Contrast Check

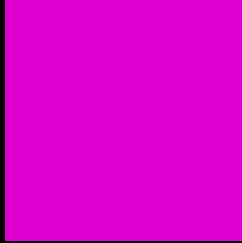
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.3733, 20.5004, 62.6964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

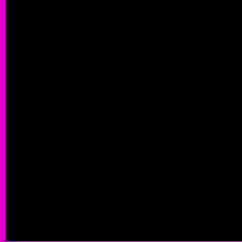
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.3733, 20.5004, 62.6964

Background



This preview shows how black text looks on a background with the XYZ color 42.3733, 20.5004, 62.6964.



This preview shows how white text looks on a background with the XYZ color 42.3733, 20.5004,

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

42.3733, 20.5004, 62.6964

Protanopia

25.5162, 21.4003, 97.3936

Deuteranopia

21.6587, 21.0768, 55.7500



Tritanopia

32.0061, 20.8881, 11.5774

Trichromacy



Original Color

42.3733, 20.5004, 62.6964



Protanomaly

23.5599, 14.3901, 83.1972



Deuteranomaly

24.0106, 15.4049, 57.5851



Tritanomaly

33.7569, 18.8111, 23.6815

Monochromacy



Original Color

42.3733, 20.5004, 62.6964



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.4636, 10.2363, 23.6623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3733, 20.5004, 62.6964 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 210) }
```

Border

The CSS property to change the border of an element to XYZ 42.3733, 20.5004, 62.6964 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, 210) }
```


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

```
.border{ border-color:rgb(224, 0, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 210);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3733, 20.5004, 62.6964 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, 210) }
```

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

```
.background{ background-color: rgb(224, 0,  
210) }
```

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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