

Converting Colors

XYZ(46.4557, 28.5874, 63.6932)

Have a look what the booklet for
XYZ(46.4557, 28.5874, 63.6932)
contains.

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Color

**XYZ(46.2518, 28.4562,
63.3764)**

Conversions

Conversions Part 1

Format	Color
Hex	E05ED1
RGB	224, 94, 209
RGB Percent	88%, 37%, 82%
CMY	0.1216, 0.6313, 0.1804
CMYK	0.00, 0.58, 0.07, 0.12
HSL	307°, 68%, 62%
HSV	307°, 58%, 88%
XYZ	46.2518, 28.4562, 63.3764
YIQ	145.9800, 40.5650, 63.3250

Conversions

Conversions Part 2

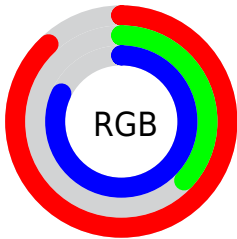
Format	Color
R_{YB}	224, 94, 209
Decimal	14704337
CIE _{Lab}	60.30, 64.40, -35.44
CIE _{LCh}	60, 73.511, 331.178
Yxy	28.4562, 0.3350, 0.2061
Android (android.graphics.Color)	4292894417 (0xFFE05ED1)
YUV	145.9800, 31.0689, 68.4235
Hunter-Lab	53.3444, 61.4144, -33.0992

Details

The XYZ color **46.2518, 28.4562, 63.3764** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **34.0334, 56.7962, 23.6391**, and the grayscale version is **27.1798, 28.5953, 31.1403**.

A 20% lighter version of the original color is **70.3566, 50.6132, 100.6689**, and **22.0751, 11.4731, 31.6229** is the 20% darker color. If you saturate the color by 10%, you get **44.2240, 24.9079, 61.1345**, and if you desaturate by 10%, it is **48.8646, 33.1648, 65.8394**.

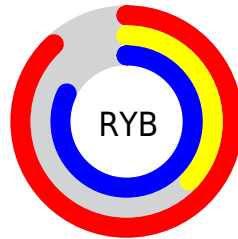
Distribution



Red (88%)

Green (37%)

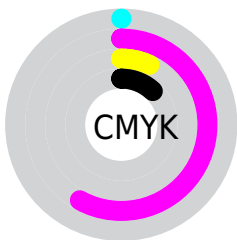
Blue (82%)



Red (88%)

Yellow (37%)

Blue (82%)

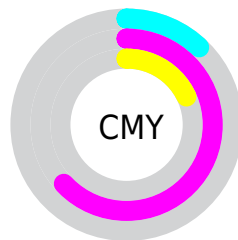


Cyan (0%)

Magenta (58%)

Yellow (7%)

Black (12%)



Cyan (12%)


Magenta (63%)


Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2518, 28.4562, 63.3764 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 46.2518, 28.4562, 63.3764 by changing the saturation by 10% instead.


 46.2518, 28.4562,
63.3764


 46.2518, 28.4562,
63.3764

362.5190,
294.6404, 455.0797

 32.6500, 18.6698,
45.7028


 83.8213, 57.2120,
111.3032


 22.0164, 11.4320,
31.6644


 108.5197, 76.9502,
142.3935

 13.9856, 6.3582,
20.8426

 137.6477,
100.7744, 178.7931

 8.1923, 3.0641,
12.8189

 171.5706,
129.0691, 220.9205

 4.2711, 1.1653,
7.1747

210.6539,
162.2187, 269.1944

 1.8566, 0.0331,
3.4915

255.2628,

 0.5514, 0.0000,

200.6075, 324.0332

1.3507

305.7627,
244.6199, 385.8554

■ 0.0000, 0.0000,
0.1028

■ 0.0000, 0.0000,
0.0000

■ 46.2518, 28.4562,
63.3764

■ 46.2518, 28.4562,
63.3764

■ 44.2240, 24.9079,
61.1345

■ 48.8646, 33.1648,
65.8394

■ 42.7266, 22.4129,
59.0946


■ 52.1048, 39.1206,
68.5371


■ 41.6999, 20.8511,
57.2370


■ 56.0144, 46.4066,
71.4838


■ 41.0581, 20.0509,
55.5330


■ 60.6308, 55.0978,
74.6920


 40.9515, 19.9317,
55.2073

 65.9886, 65.2634,
78.1735

 72.1202, 76.9681,
81.9391

 79.0560, 90.2728,
85.9991

 80.7387, 93.0626,
88.3344

 81.1038, 93.2087,
90.2572

Harmonies

Analogous

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



37.5647, 28.4562, 100.0565



46.2518, 28.4562, 63.3764



49.5339, 28.4562, 29.9282

Triad

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



46.2518, 28.4562, 63.3764



26.6756, 28.4562, 2.6629



14.3079, 28.4562, 66.4042

Complementary

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



46.2518, 28.4562, 63.3764



34.0334, 56.7962, 23.6391

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.



12.6642, 28.4562, 32.0643



46.2518, 28.4562, 63.3764



18.7019, 28.4562, 4.4046

Square

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



46.2518, 28.4562, 63.3764



36.7663, 28.4562, 4.1201



14.0654, 28.4562, 12.0833



19.2116, 28.4562, 102.4081

Rectangle

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



46.2518, 28.4562, 63.3764



47.7284, 28.4562, 15.7521



14.0654, 28.4562, 12.0833



13.4149, 28.4562, 53.7925

Sweetspot

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



46.2528, 28.4575, 63.3770



81.9510, 75.0741, 100.6120



23.5221, 16.5146, 72.4697



17.2519, 15.5226, 21.3410



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.



46.2528, 28.4575, 63.3770



58.7682, 32.4617, 81.3135



39.9328, 25.9295, 30.0961



14.2233, 13.9070, 16.9463



23.8640, 11.6126, 32.2794



1.6737, 0.8128, 2.3406

Inverse Universe

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



46.2528, 28.4575, 63.3770



58.7682, 32.4617, 81.3135



38.7194, 58.6706, 48.3152



14.2233, 13.9070, 16.9463



23.8640, 11.6126, 32.2794



1.6737, 0.8128, 2.3406

Previews

White Background



This preview shows how the XYZ color 46.2518, 28.4562, 63.3764 looks on a white background.

Color Contrast Check

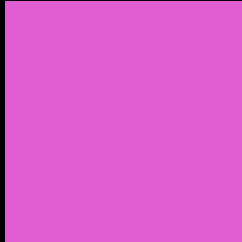
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.2518, 28.4562, 63.3764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

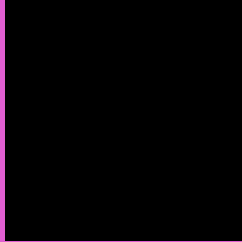
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.2518, 28.4562, 63.3764

Background



This preview shows how black text looks on a background with the XYZ color 46.2518, 28.4562, 63.3764.



This preview shows how white text looks on a background with the XYZ color 46.2518, 28.4562,

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

46.2518, 28.4562, 63.3764

Protanopia

32.0739, 28.9008, 94.3304

Deuteranopia

29.4180, 28.7528, 59.2577



Tritanopia

37.9078, 28.3931, 22.5512

Trichromacy



Original Color

46.2518, 28.4562, 63.3764



Protanomaly

33.8306, 26.5947, 81.9475



Deuteranomaly

33.4642, 27.0679, 60.5876



Tritanomaly

40.1924, 27.9971, 34.2960

Monochromacy



Original Color

46.2518, 28.4562, 63.3764



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

32.2064, 27.0420, 41.0583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2518, 28.4562, 63.3764 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, 94, 209)` looks like.

```
.text, #text, p{  
    color:rgb(224, 94, 209)  
}
```

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, 94, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 94, 209) }
```

Border

The CSS property to change the border of an element to XYZ 46.2518, 28.4562, 63.3764 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, 94, 209) }
```


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

```
.border{ border-color:rgb(224, 94, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 94, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 94, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 94, 209);  
box-shadow:4px 4px 4px 4px rgb(224, 94,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2518, 28.4562, 63.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 94, 209) }
```

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

```
.background{ background-color: rgb(224, 94,  
209) }
```

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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