# Converting Colors

XYZ(46.6511, 22.4082, 76.3620)

Have a look what the booklet for XYZ(46.6511, 22.4082, 76.3620) contains.

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# Color

XYZ(46.5960, 22.3712, 76.7251)

# Conversions

Conversions Part 1

| Format | Color |
|---|---|
| Hex | E500E6 |
| RGB | 229, 0, 230 |
| RGB Percent | 90%, 0%, 90% |
| CMY | 0.1020, 0.9999, 0.0980 |
| CMYK | 0.00, 1.00, 0.00, 0.10 |
| HSL | 300°, 100%, 45% |
| HSV | 300°, 100%, 90% |
| XYZ | 46.5960, 22.3712, 76.7251 |
| YIQ | 94.6910, 62.6540, 120.0780 |

# Conversions

Conversions Part 2

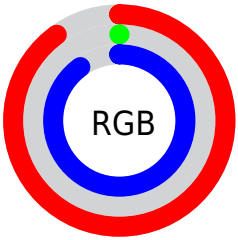
| Format | Color |
|---|---|
| RYB | 229, 0, 230 |
| Decimal | 15007974 |
| CIELab | 54.42, 90.72, -56.56 |
| CIELCh | 54, 106.911, 328.058 |
| Yxy | 22.3712, 0.3198, 0.1536 |
| Android (android.graphics.Color) | 4293198054 (0xFFE500E6) |
| YUV | 94.6910, 66.7073, 117.7890 |
| Hunter-Lab | 47.2982, 93.0781, -63.0689 |

# Details

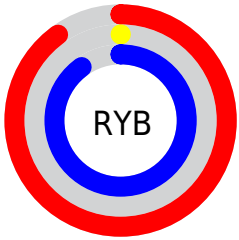
The XYZ color 46.5960, 22.3712, 76.7251 is a light color, and the websafe version is hex FF33FF. The color can be described as light washed magenta. A complement of this color would be 28.3101, 56.6006, 9.4340, and the grayscale version is 10.6445, 11.1988, 12.1955.

A 20% lighter version of the original color is 63.7518, 37.4037, 98.4673, and 23.7884, 11.3808, 40.9873 is the 20% darker color. If you saturate the color by 10%, you get 46.5965, 22.3714, 76.7254, and if you desaturate by 10%, it is 46.9356, 23.0021, 76.8293.

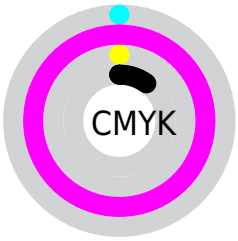
# Distribution



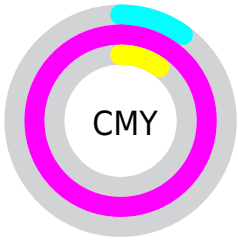

- Red (90%)
- Green (0%)
- Blue (90%)




- Red (90%)
- Yellow (0%)
- Blue (90%)




- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)




- Cyan (10%)
- Magenta (100%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5960, 22.3712, 76.7251 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 46.5960, 22.3712, 76.7251 by changing the saturation by 10% instead.

46.5960, 22.3712, 76.7251

46.5960, 22.3712, 76.7251

363.8755, 264.4787, 503.2390

32.9230, 14.1299, 56.5171

84.3327, 47.3587, 130.5208

22.2264, 8.2111, 40.2109

109.1271, 64.8738, 164.9456

14.1409, 4.2303, 27.3880

138.3593, 86.2489, 204.9464

8.3011, 1.8032, 17.6298

172.3947, 111.8684, 250.9417

4.3416, 0.4892, 10.5178

211.5987, 142.1167, 303.3500

1.8972, 0.0000, 5.6336

256.3366,

0.5752, 0.0000,

177.3783, 362.5900

306.9737, 218.0375, 429.0802

2.5584

0.0000, 0.0000, 0.8709

0.0000, 0.0000, 0.0000

46.5960, 22.3712, 76.7251

46.5965, 22.3714, 76.7254

46.5960, 22.3712, 76.7251

46.9356, 23.0021, 76.8293

47.6388, 24.3612, 77.0545

48.8227, 26.6816, 77.4400

50.5546, 30.0980, 78.0082

52.8912, 34.7237, 78.7779

55.8820, 40.6579, 79.7657

59.5716, 47.9895, 80.9863

64.0004, 56.7997, 82.4535

69.2061, 67.1635, 84.1795

# Harmonies

## Analogous

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

33.6791, 22.3712, 136.6992

46.5960, 22.3712, 76.7251

52.5510, 22.3712, 26.6047

# Triad

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

46.5960, 22.3712, 76.7251

22.0337, 22.3712, 0.0000

6.9600, 22.3712, 68.8923

# Complementary

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

46.5960, 22.3712, 76.7251

28.3101, 56.6006, 9.4340

# 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.

5.7850, 22.3712, 22.2423

46.5960, 22.3712, 76.7251

12.3490, 22.3712, 0.0000

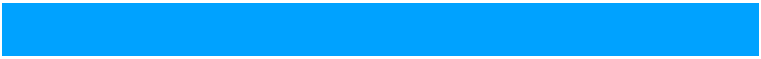
# Square

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

46.5960, 22.3712, 76.7251

35.5030, 22.3712, 0.2169

7.3279, 22.3712, 3.7118



11.4536, 22.3712, 129.9281

# Rectangle

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

46.5960, 22.3712, 76.7251

50.5768, 22.3712, 9.3611

7.3279, 22.3712, 3.7118

6.2565, 22.3712, 50.2449

# Sweetspot

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

46.5969, 22.3722, 76.7255



75.1879, 60.4572, 102.3143

14.3255, 5.7974, 75.2272

15.6479, 12.0550, 21.7521

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.

46.5969, 22.3722, 76.7255

58.8836, 28.2705, 96.9610

35.9545, 18.1522, 19.0147

14.9886, 14.6119, 18.1747

26.3831, 12.6669, 43.4376

1.9516, 0.9371, 3.2100

# Inverse Universe

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

32.6393, 16.8261, 1.5572

41.2461, 21.2624, 1.9620

31.1769, 57.7459, 24.5956

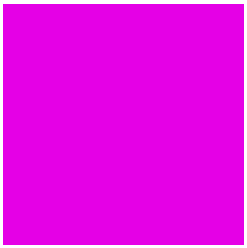
14.3796, 14.3690, 14.9332

18.4793, 9.5259, 0.8870

1.3665, 0.7043, 0.0703

# Previews

## White Background

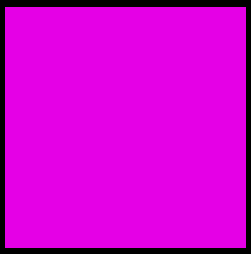


This preview shows how the XYZ color 46.5960, 22.3712, 76.7251 looks on a white background.

### 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



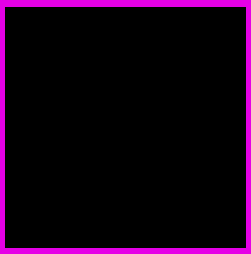
This preview shows how the XYZ color 46.5960, 22.3712, 76.7251 looks on a black background.

### Color Contrast Check

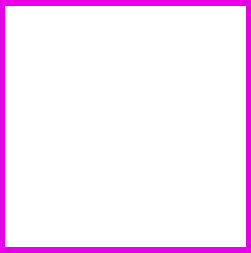
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

# XYZ 46.5960, 22.3712, 76.7251 Background



This preview shows how black text looks on a background with the XYZ color 46.5960, 22.3712, 76.7251.



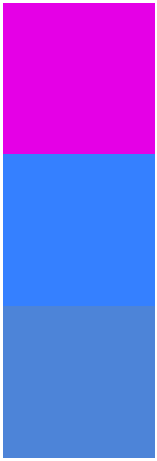
This preview shows how white text looks on a background with the XYZ color 46.5960, 22.3712,

76.7251.

# 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



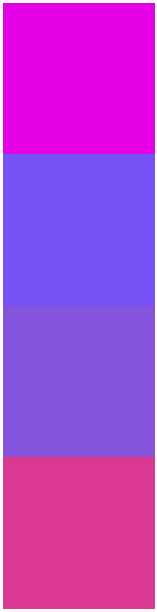
**Original Color**
46.5960, 22.3712, 76.7251

**Protanopia**
27.2374, 23.4152, 97.6918

**Deuteranopia**
23.7065, 23.0382, 68.1631

**Tritanopia**
33.4990, 22.4530, 13.6346

# Trichromacy



**Original Color**
46.5960, 22.3712, 76.7251

**Protanomaly**
26.9131, 16.3206, 88.9205

**Deuteranomaly**
25.7372, 16.4666, 70.2285

**Tritanomaly**
35.7874, 20.0307, 28.7682

# Monochromacy

**Original Color**
46.5960, 22.3712, 76.7251

**Achromatopsia**
10.8771, 11.4435, 12.4620

**Achromatomaly**
18.1515, 11.1746, 27.5858

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.5960, 22.3712, 76.7251 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(229, 0, 230) looks like.

```
.text, #text, p{
    color:rgb(229, 0, 230)
}
```

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(229, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 230) }
```

# Border

The CSS property to change the border of an element to XYZ 46.5960, 22.3712, 76.7251 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(229, 0, 230) }
```

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

```
.border{ border-color:rgb(229, 0, 230) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 0, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 0, 230); box-shadow:4px 4px 4px 4px rgb(229, 0, 230) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.5960, 22.3712, 76.7251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(229, 0, 230) }
```

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

```
.background{ background-color:rgb(229, 0,
230) }
```

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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