

Converting Colors

XYZ(50.7455, 24.5382, 75.6601)

Have a look what the booklet for
XYZ(50.7455, 24.5382, 75.6601)
contains.

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Color

**XYZ(50.6215, 24.4787,
75.4556)**

Conversions

Conversions Part 1

Format	Color
Hex	F200E4
RGB	242, 0, 228
RGB Percent	95%, 0%, 89%
CMY	0.0510, 0.9998, 0.1059
CMYK	0.00, 1.00, 0.06, 0.05
HSL	303°, 100%, 47%
HSV	303°, 100%, 95%
XYZ	50.6215, 24.4787, 75.4556
YIQ	98.3500, 71.0440, 122.2120

Conversions

Conversions Part 2

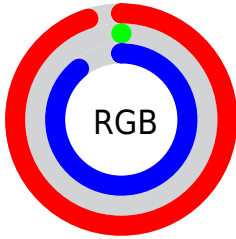
Format	Color
R _Y B	242, 0, 228
Decimal	15859940
CIE Lab	56.56, 92.52, -51.88
CIE LCh	57, 106.069, 330.720
Yxy	24.4787, 0.3362, 0.1626
Android (android.graphics.Color)	4294050020 (0xFFFF200E4)
YUV	98.3500, 63.9174, 125.9810
Hunter-Lab	49.4760, 96.0500, -55.7898

Details

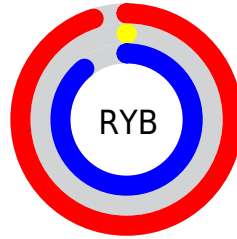
The XYZ color **50.6215, 24.4787, 75.4556** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **31.8326, 63.5370, 11.0032**, and the grayscale version is **11.5366, 12.1374, 13.2176**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **26.5024, 12.8023, 40.1040** is the 20% darker color. If you saturate the color by 10%, you get **50.6216, 24.4787, 75.4540**, and if you desaturate by 10%, it is **51.1489, 25.2204, 76.5946**.

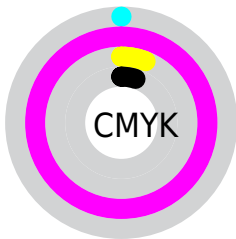
Distribution



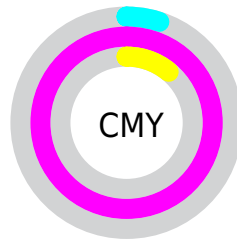
- Red (95%)
- Green (0%)
- Blue (89%)



- Red (95%)
- Yellow (0%)
- Blue (89%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6215, 24.4787, 75.4556 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 50.6215, 24.4787, 75.4556 by changing the saturation by 10% instead.


 50.6215, 24.4787,
75.4556

 50.6215, 24.4787,
75.4556


379.5034,
275.2318, 498.7792


 36.1273, 15.6891,
55.4822


 90.2814, 50.8103,
128.7101


 24.7031, 9.3044,
39.3867


 116.1777, 69.1210,
162.8283


 15.9835, 4.9403,
26.7506


 146.6055, 91.3742,
202.4986

 9.6033, 2.2123,
17.1552

 181.9301,
117.9544, 248.1394

 5.1970, 0.7267,
10.1821

 222.5168,
149.2458, 300.1693

 2.3992, 0.0000,
5.4127

268.7310,

 0.8447, 0.0000,

185.6329, 359.0069

2.4284

320.9381,
227.5001, 425.0707

■ 0.0000, 0.0000,
0.8019

■ 0.0000, 0.0000,
0.0000

■ 50.6215, 24.4787,
75.4556

■ 50.6215, 24.4787,
75.4556

■ 50.6216, 24.4787,
75.4540

■ 51.1489, 25.2204,
76.5946

■ 52.0893, 26.7863,
77.8789

■ 53.5718, 29.4338,
79.3517

■ 55.6729, 33.3160,
81.0386

■ 58.4570, 38.5617,
82.9609

■ 61.9802, 45.2831,
85.1375

■ 66.2931, 53.5812,
87.5852

■ 71.4415, 63.5478,
90.3193

■ 77.4679, 75.2679,
93.3540

Harmonies

Analogous

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



37.5736, 24.4787, 137.7242



50.6215, 24.4787, 75.4556



55.8677, 24.4787, 25.8107

Triad

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



50.6215, 24.4787, 75.4556



22.9702, 24.4787, 0.0000



8.2734, 24.4787, 78.4458

Complementary

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



50.6215, 24.4787, 75.4556



31.8326, 63.5370, 11.0032

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.



6.7165, 24.4787, 27.5137



50.6215, 24.4787, 75.4556



13.1483, 24.4787, 0.4432

Square

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



50.6215, 24.4787, 75.4556



36.8692, 24.4787, 0.3500



8.1250, 24.4787, 5.3457



13.5035, 24.4787, 140.2850

Rectangle

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



50.6215, 24.4787, 75.4556



53.1704, 24.4787, 9.1440



8.1250, 24.4787, 5.3457



7.4068, 24.4787, 58.5502

Sweetspot

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



50.6225, 24.4799, 75.4561



74.6055, 60.2383, 98.6096



16.1813, 6.4911, 84.4053



15.5060, 12.0016, 20.8491



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.



50.6225, 24.4799, 75.4561



57.0045, 27.5658, 84.9449



39.3751, 19.9809, 16.2284



16.4125, 16.0147, 19.7282



27.2120, 13.1572, 40.6284



2.2757, 1.0993, 3.4428

Inverse Universe

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



50.6225, 24.4799, 75.4561



57.0045, 27.5658, 84.9449



35.9950, 65.2020, 32.9223



16.4125, 16.0147, 19.7282



27.2120, 13.1572, 40.6284



2.2757, 1.0993, 3.4428

Previews

White Background



This preview shows how the XYZ color 50.6215, 24.4787, 75.4556 looks on a white background.

Color Contrast Check

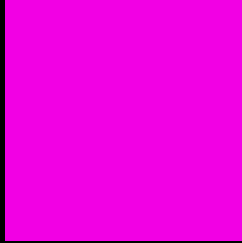
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.6215, 24.4787, 75.4556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

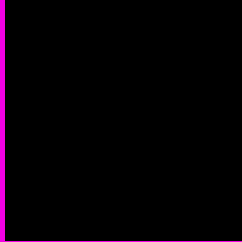
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.6215, 24.4787, 75.4556

Background



This preview shows how black text looks on a background with the XYZ color 50.6215, 24.4787, 75.4556.



This preview shows how white text looks on a background with the XYZ color 50.6215, 24.4787,

75.4556.

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

50.6215, 24.4787, 75.4556

Protanopia

28.9633, 25.2971, 97.9640

Deuteranopia

25.8026, 25.1793, 67.1185



Tritanopia

38.0348, 24.7966, 13.6080

Trichromacy



Original Color

50.6215, 24.4787, 75.4556



Protanomaly

29.4028, 18.0761, 88.3255



Deuteranomaly

28.4071, 18.2268, 69.0387



Tritanomaly

40.3527, 22.4019, 28.1838

Monochromacy



Original Color

50.6215, 24.4787, 75.4556



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.4111, 11.9736, 28.0761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6215, 24.4787, 75.4556 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(242, 0, 228)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 228)  
}
```

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(242, 0, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 228) }
```

Border

The CSS property to change the border of an element to XYZ 50.6215, 24.4787, 75.4556 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(242, 0, 228) }
```


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

```
.border{ border-color:rgb(242, 0, 228) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 228);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6215, 24.4787, 75.4556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 228) }
```

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

```
.background{ background-color: rgb(242, 0,  
228) }
```

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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