

Converting Colors

XYZ(24.9007, 13.5188, 47.1969)

Have a look what the booklet for
XYZ(24.9007, 13.5188, 47.1969)
contains.

XYZ(25.0018, 13.5705, 47.2006)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.0018, 13.5705,
47.2006)**

Conversions

Conversions Part 1

Format	Color
Hex	A332B9
RGB	163, 50, 185
RGB Percent	64%, 20%, 73%
CMY	0.3608, 0.8039, 0.2745
CMYK	0.12, 0.73, 0.00, 0.27
HSL	290°, 57%, 46%
HSV	290°, 73%, 73%
XYZ	25.0018, 13.5705, 47.2006
YIQ	99.1770, 24.0130, 65.9410

Conversions

Conversions Part 2

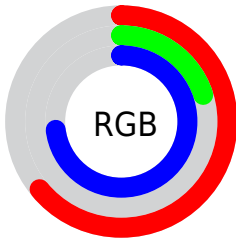
Format	Color
R _Y B	163, 50, 185
Decimal	10695353
CIE Lab	43.61, 63.42, -48.59
CIE LCh	44, 79.897, 322.545
Yxy	13.5705, 0.2915, 0.1582
Android (android.graphics.Color)	4288885433 (0xFFFA332B9)
YUV	99.1770, 42.3107, 55.9728
Hunter-Lab	36.8382, 56.6799, -50.1813

Details

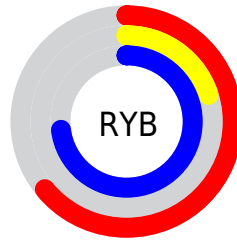
The XYZ color **25.0018, 13.5705, 47.2006** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **20.5976, 36.3063, 8.9403**, and the grayscale version is **11.7975, 12.4119, 13.5165**.

A 20% lighter version of the original color is **51.1035, 32.2983, 87.5452**, and **10.1601, 4.7645, 21.8569** is the 20% darker color. If you saturate the color by 10%, you get **23.7548, 11.9815, 46.9598**, and if you desaturate by 10%, it is **26.5841, 15.8071, 47.5491**.

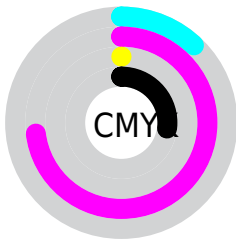
Distribution



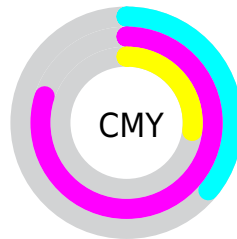
- Red (64%)
- Green (20%)
- Blue (73%)



- Red (64%)
- Yellow (20%)
- Blue (73%)



- Cyan (12%)
- Magenta (73%)
- Yellow (0%)
- Black (27%)



- Cyan (36%)
- Magenta (80%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0018, 13.5705, 47.2006 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 25.0018, 13.5705, 47.2006 by changing the saturation by 10% instead.

■ 25.0018, 13.5705,
47.2006

■ 25.0018, 13.5705,
47.2006

270.1944,
214.5423, 392.0316

■ 16.2071, 7.8226,
32.8388

■ 51.1030, 32.3250,
87.3661

■ 9.7626, 3.9816,
21.7329

■ 69.1403, 46.1003,
114.0069

■ 5.3029, 1.6633,
13.4643

■ 90.9891, 63.3202,
145.5777

■ 2.4626, 0.3997,
7.6146

■ 117.0149, 84.3691,
182.4971

■ 0.8765, 0.0000,
3.7651

■ 147.5829,
109.6313, 225.1837

■ 0.0000, 0.0000,
1.4974

■ 183.0586,

■ 0.0000, 0.0000,

139.4914, 274.0559

0.2160

223.8073,
174.3335, 329.5324

■ 0.0000, 0.0000,
0.0000

■ 25.0018, 13.5705,
47.2006

■ 25.0018, 13.5705,
47.2006

■ 23.7548, 11.9815,
46.9598

■ 26.5841, 15.8071,
47.5491

■ 22.8002, 10.9560,
46.8122

■ 28.5344, 18.7584,
48.0160

■ 22.2464, 10.4568,
46.7450

■ 30.8834, 22.4849,
48.6115

■ 33.6580, 27.0402,
49.3445

■ 36.8826, 32.4732,
50.2232

■ 40.5799, 38.8288,
51.2551

■ 44.7707, 46.1490,
52.4472

■ 49.4750, 54.4730,
53.8059

■ 54.7112, 63.8380,
55.3376

Harmonies

Analogous

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



18.0836, 13.5705, 74.9213



25.0018, 13.5705, 47.2006



28.8856, 13.5705, 19.7131

Triad

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



25.0018, 13.5705, 47.2006



14.5233, 13.5705, 0.0000



4.6715, 13.5705, 32.3174

Complementary

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



25.0018, 13.5705, 47.2006



20.5976, 36.3063, 8.9403

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.



4.2682, 13.5705, 10.7408



25.0018, 13.5705, 47.2006



8.8132, 13.5705, 0.0978

Square

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



25.0018, 13.5705, 47.2006



21.6866, 13.5705, 0.8226



5.5105, 13.5705, 2.1657



6.8775, 13.5705, 62.4850

Rectangle

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



25.0018, 13.5705, 47.2006



28.5691, 13.5705, 8.4838



5.5105, 13.5705, 2.1657



4.3576, 13.5705, 23.5959

Sweetspot

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



25.0024, 13.5711, 47.2009



66.4361, 58.8063, 90.0538



12.4227, 8.8811, 46.9587



13.9679, 12.0749, 19.3161



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.0024, 13.5711, 47.2009



41.3841, 20.1662, 83.9159



25.8822, 14.4894, 26.2442



9.2334, 9.0867, 11.3467



15.1996, 7.1469, 31.8314



0.5746, 0.2719, 1.1240

Inverse Universe

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



22.3183, 13.0638, 7.4767



37.1681, 19.7004, 6.5665



20.7304, 36.2026, 16.7224



9.0627, 9.0355, 9.6777



13.8026, 7.0948, 1.5815



0.5053, 0.2576, 0.1544

Previews

White Background



This preview shows how the XYZ color 25.0018, 13.5705, 47.2006 looks on a white background.

Color Contrast Check

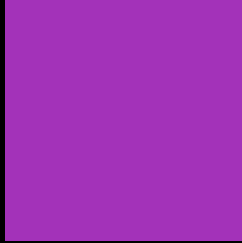
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 25.0018, 13.5705, 47.2006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

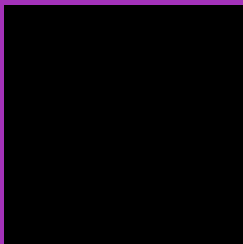
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.0018, 13.5705, 47.2006

Background



This preview shows how black text looks on a background with the XYZ color 25.0018, 13.5705, 47.2006.



This preview shows how white text looks on a background with the XYZ color 25.0018, 13.5705,

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

25.0018, 13.5705, 47.2006

Protanopia

16.4408, 13.8678, 64.0976

Deuteranopia

14.3042, 13.9678, 43.0164



Tritanopia

17.5935, 13.5629, 11.3635

Trichromacy



Original Color

25.0018, 13.5705, 47.2006



Protanomaly

15.4816, 11.2287, 57.2285



Deuteranomaly

15.7988, 12.0270, 44.1366



Tritanomaly

19.5366, 13.0840, 20.8978

Monochromacy



Original Color

25.0018, 13.5705, 47.2006



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

14.9977, 11.6341, 22.5742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0018, 13.5705, 47.2006 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(163, 50, 185)` looks like.

```
.text, #text, p{  
    color:rgb(163, 50, 185)  
}
```

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(163, 50, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 50, 185) }
```

Border

The CSS property to change the border of an element to XYZ 25.0018, 13.5705, 47.2006 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(163, 50, 185) }
```


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

```
.border{ border-color:rgb(163, 50, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 50, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 50, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 50, 185); box-shadow:4px 4px 4px 4px rgb(163, 50, 185) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0018, 13.5705, 47.2006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 50, 185) }
```

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

```
.background{ background-color: rgb(163, 50,  
185) }
```

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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