

Converting Colors

XYZ(25.0017, 19.4138, 72.2429)

Have a look what the booklet for
XYZ(25.0017, 19.4138, 72.2429)
contains.

XYZ(25.0946, 19.5162, 72.2564)	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(25.0946, 19.5162,
72.2564)**

Conversions

Conversions Part 1

Format	Color
Hex	6D6DDF
RGB	109, 109, 223
RGB Percent	43%, 43%, 87%
CMY	0.5725, 0.5725, 0.1255
CMYK	0.51, 0.51, 0.00, 0.13
HSL	240°, 64%, 65%
HSV	240°, 51%, 87%
XYZ	25.0946, 19.5162, 72.2564
YIQ	121.9960, -36.5940, 35.4540

Conversions

Conversions Part 2

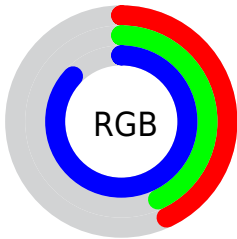
Format	Color
R _Y B	109, 109, 223
Decimal	7171551
CIE _{Lab}	51.29, 30.74, -58.44
CIE _{LCh}	51, 66.030, 297.744
Yxy	19.5162, 0.2147, 0.1670
Android (android.graphics.Color)	4285361631 (0xFF6D6DDF)
YUV	121.9960, 49.7950, -11.3975
Hunter-Lab	44.1771, 24.0860, -66.0511

Details

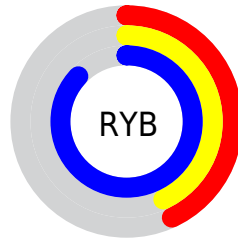
The XYZ color **25.0946, 19.5162, 72.2564** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **59.5785, 69.5672, 24.7560**, and the grayscale version is **18.3494, 19.3050, 21.0232**.

A 20% lighter version of the original color is **46.7312, 40.9252, 100.0441**, and **9.8244, 6.8161, 37.3571** is the 20% darker color. If you saturate the color by 10%, you get **20.6065, 14.1080, 71.4495**, and if you desaturate by 10%, it is **30.8835, 26.4910, 73.2980**.

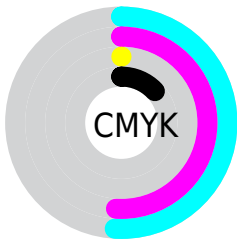
Distribution



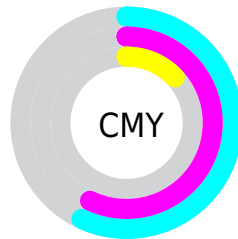
- Red (43%)
- Green (43%)
- Blue (87%)



- Red (43%)
- Yellow (43%)
- Blue (87%)



- Cyan (51%)
- Magenta (51%)
- Yellow (0%)
- Black (13%)



- Cyan (57%)
- Magenta (57%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0946, 19.5162, 72.2564 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 25.0946, 19.5162, 72.2564 by changing the saturation by 10% instead.

■ 25.0946, 19.5162,
72.2564

■ 25.0946, 19.5162,
72.2564

270.6477,
249.2838, 487.4351

■ 16.2767, 12.0439,
52.8800

■ 51.2524, 42.6046,
124.1321

■ 9.8122, 6.7736,
37.3199

■ 69.3230, 58.9894,
157.4685

■ 5.3359, 3.3209,
25.1576

■ 91.2086, 79.1138,
196.2954

■ 2.4825, 1.3015,
15.9744

■ 117.2744,
103.3622, 241.0312

■ 0.8864, 0.1423,
9.3519

147.8859,
132.1190, 292.0945

■ 0.0000, 0.0000,
4.8715

183.4083,

■ 0.0000, 0.0000,

165.7686, 349.9039

2.1146

224.2072,
204.6955, 414.8779

■ 0.0000, 0.0000,
0.6245

■ 0.0000, 0.0000,
0.0000

■ 25.0946, 19.5162,
72.2564

■ 25.0946, 19.5162,
72.2564

■ 20.6065, 14.1080,
71.4495

■ 30.8835, 26.4910,
73.2980

■ 17.3164, 10.1436,
70.8577

■ 38.0604, 35.1388,
74.5889

■ 15.1102, 7.4854,
70.4609

■ 46.7080, 45.5586,
76.1444

■ 13.8506, 5.9678,
70.2343

■ 56.9016, 57.8413,
77.9779

■ 13.3195, 5.3278,
70.1388

■ 68.7116, 72.0718,
80.1022

■ 82.2040, 88.3295,
82.5291

■ 90.3194, 98.1077,
83.9888

Harmonies

Analogous

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



18.0552, 19.5162, 82.0358



25.0946, 19.5162, 72.2564



31.4590, 19.5162, 47.0937

Triad

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



25.0946, 19.5162, 72.2564



26.1663, 19.5162, 2.9650



8.5514, 19.5162, 19.8530

Complementary

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



25.0946, 19.5162, 72.2564



59.5785, 69.5672, 24.7560

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.



9.7658, 19.5162, 7.1714



25.0946, 19.5162, 72.2564



19.0529, 19.5162, 1.7045

Square

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



25.0946, 19.5162, 72.2564



32.1738, 19.5162, 8.4389



13.2547, 19.5162, 2.5970



9.4442, 19.5162, 43.0116

Rectangle

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



25.0946, 19.5162, 72.2564



33.8891, 19.5162, 29.9208



13.2547, 19.5162, 2.5970



8.7190, 19.5162, 14.4403

Sweetspot

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



25.0955, 19.5168, 72.2569



71.3399, 71.4306, 104.6352



46.0140, 61.3547, 79.2299



14.6424, 14.5332, 22.2834



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.



25.0955, 19.5168, 72.2569



27.7501, 18.9076, 96.7947



34.5142, 24.3724, 72.6977



12.9522, 13.2434, 17.2613



7.8316, 3.1327, 41.2403



0.5429, 0.2171, 2.8585

Inverse Universe

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



49.2192, 31.9531, 73.3829



63.7937, 37.4888, 98.4767



44.8743, 61.9869, 24.0679



14.2951, 13.9357, 17.3240



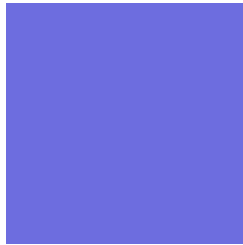
25.7241, 12.3566, 42.0743



1.7831, 0.8565, 2.9164

Previews

White Background



This preview shows how the XYZ color 25.0946, 19.5162, 72.2564 looks on a white background.

Color Contrast Check

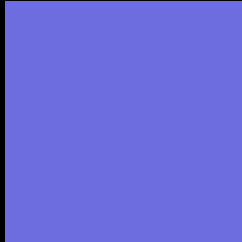
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0946, 19.5162, 72.2564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

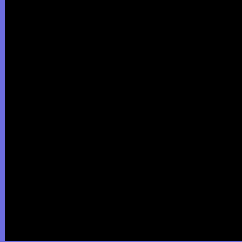
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.0946, 19.5162, 72.2564

Background



This preview shows how black text looks on a background with the XYZ color 25.0946, 19.5162, 72.2564.



This preview shows how white text looks on a background with the XYZ color 25.0946, 19.5162,

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

25.0946, 19.5162, 72.2564

Protanopia

22.7888, 19.6826, 78.9420

Deuteranopia

20.1908, 19.6313, 69.7429



Tritanopia

16.1512, 19.4330, 27.7106

Trichromacy



Original Color

25.0946, 19.5162, 72.2564

Protanomaly

23.3342, 19.4964, 76.6621

Deuteranomaly

20.7817, 19.0139, 70.2849

Tritanomaly

18.6289, 19.0967, 40.7344

Monochromacy



Original Color

25.0946, 19.5162, 72.2564

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.9554, 19.0077, 35.4180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0946, 19.5162, 72.2564 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(109, 109, 223)` looks like.

```
.text, #text, p{  
    color:rgb(109, 109, 223)  
}
```

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(109, 109, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 109, 223) }
```

Border

The CSS property to change the border of an element to XYZ 25.0946, 19.5162, 72.2564 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(109, 109, 223) }
```


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

```
.border{ border-color:rgb(109, 109, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 109, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 109, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 109, 223);  
box-shadow:4px 4px 4px 4px rgb(109, 109,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0946, 19.5162, 72.2564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 109, 223) }
```

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

```
.background{ background-color: rgb(109,  
109, 223) }
```

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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