

Converting Colors

XYZ(32.2367, 25.0469, 55.5692)

Have a look what the booklet for
XYZ(32.2367, 25.0469, 55.5692)
contains.

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Color

**XYZ(32.1681, 25.0494,
55.3641)**

Conversions

Conversions Part 1

Format	Color
Hex	A676C4
RGB	166, 118, 196
RGB Percent	65%, 46%, 77%
CMY	0.3490, 0.5372, 0.2314
CMYK	0.15, 0.40, 0.00, 0.23
HSL	277°, 40%, 62%
HSV	277°, 40%, 77%
XYZ	32.1681, 25.0494, 55.3641
YIQ	141.2440, 3.5700, 34.4340

Conversions

Conversions Part 2

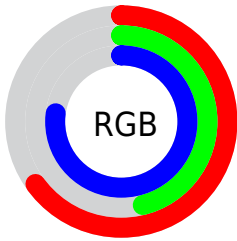
Format	Color
RYB	166, 118, 196
Decimal	10909380
CIELab	57.12, 33.26, -33.56
CIElCh	57, 47.244, 314.742
Yxy	25.0494, 0.2857, 0.2225
Android (android.graphics.Color)	4289099460 (0xFFA676C4)
YUV	141.2440, 26.9947, 21.7110
Hunter-Lab	50.0494, 27.1404, -30.5514

Details

The XYZ color **32.1681, 25.0494, 55.3641** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **35.2235, 47.0844, 24.3724**, and the grayscale version is **25.3103, 26.6284, 28.9984**.

A 20% lighter version of the original color is **62.4167, 51.7473, 99.6270**, and **13.7597, 9.5979, 26.7186** is the 20% darker color. If you saturate the color by 10%, you get **28.5613, 20.1128, 54.6017**, and if you desaturate by 10%, it is **36.3489, 30.9949, 56.2918**.

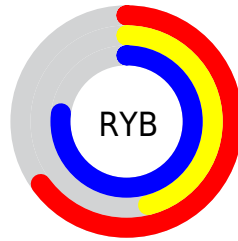
Distribution



Red (65%)

Green (46%)

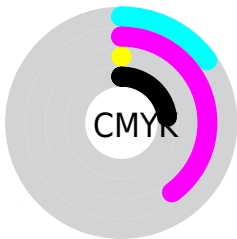
Blue (77%)



Red (65%)

Yellow (46%)

Blue (77%)

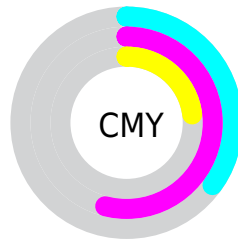


Cyan (15%)

Magenta (40%)

Yellow (0%)

Black (23%)



Cyan (35%)

Magenta (54%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1681, 25.0494, 55.3641 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 32.1681, 25.0494, 55.3641 by changing the saturation by 10% instead.

■ 32.1681, 25.0494,
55.3641

■ 32.1681, 25.0494,
55.3641

303.6160,
278.0839, 424.6114

■ 21.6461, 16.1139,
39.2927

■ 62.4379, 51.7374,
99.5507

■ 13.7122, 9.6048,
26.6780

■ 82.9165, 70.2586,
128.5030

■ 8.0012, 5.1377,
17.1012

■ 107.4446, 92.7438,
162.5861

■ 4.1475, 2.3283,
10.1440

136.3876,
119.5774, 202.2184

■ 1.7859, 0.7886,
5.3877

170.1109,
151.1438, 247.8186

■ 0.5092, 0.0000,
2.4138

208.9798,

■ 0.0000, 0.0000,

187.8275, 299.8051

0.7939

253.3597,
230.0127, 358.5966

■ 0.0000, 0.0000,
0.0000

■ 32.1681, 25.0494,
55.3641

■ 32.1681, 25.0494,
55.3641

■ 28.5613, 20.1128,
54.6017

■ 36.3489, 30.9949,
56.2918

■ 25.4942, 16.1213,
53.9930

■ 41.1299, 38.0018,
57.3922

■ 22.9330, 13.0086,
53.5271


■ 46.5387, 46.1223,
58.6746


■ 20.8380, 10.6980,
53.1916


■ 52.6005, 55.4045,
60.1467


■ 19.1628, 9.0992,
52.9713


■ 59.3388, 65.8935,
61.8162


 17.8213, 8.0427,
52.8380

 66.7761, 77.6319,
63.6899

 17.7953, 8.0228,
52.8356

 74.8685, 90.5302,
65.7530

 77.1851, 91.7244,
65.8614

 79.6057, 92.9723,
65.9747

Harmonies

Analogous

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



26.6383, 25.0494, 68.9710



32.1681, 25.0494, 55.3641



35.7032, 25.0494, 36.1656

Triad

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



32.1681, 25.0494, 55.3641



26.7388, 25.0494, 7.0990



14.8833, 25.0494, 35.8446

Complementary

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



32.1681, 25.0494, 55.3641



35.2235, 47.0844, 24.3724

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.



14.9015, 25.0494, 19.9750



32.1681, 25.0494, 55.3641



21.1869, 25.0494, 7.0699

Square

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



32.1681, 25.0494, 55.3641



32.2515, 25.0494, 10.8839



17.0396, 25.0494, 10.7784



16.9851, 25.0494, 55.0516

Rectangle

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



32.1681, 25.0494, 55.3641



36.1514, 25.0494, 24.8175



17.0396, 25.0494, 10.7784



14.6536, 25.0494, 29.8886

Sweetspot

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



32.1690, 25.0504, 55.3647



81.8551, 79.8423, 105.7046



28.2151, 29.3963, 56.4119



17.2357, 16.6605, 22.5573



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.



32.1690, 25.0504, 55.3647



52.3736, 37.2845, 99.0440



38.3428, 28.3331, 51.1385



10.1100, 10.0478, 12.6914



11.5327, 5.2057, 33.9536



0.5733, 0.2636, 1.4705

Inverse Universe

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



34.5895, 26.8318, 31.3740



57.7782, 41.2079, 47.9164



30.9650, 44.8332, 26.6938



10.2299, 10.1406, 11.3014



15.4912, 7.8862, 5.2328



0.7031, 0.3542, 0.4037

Previews

White Background



This preview shows how the XYZ color 32.1681, 25.0494, 55.3641 looks on a white background.

Color Contrast Check

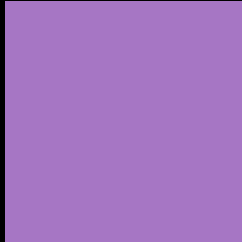
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.1681, 25.0494, 55.3641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

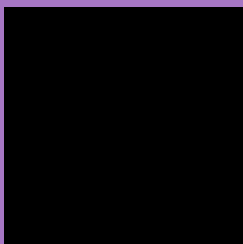
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.1681, 25.0494, 55.3641

Background



This preview shows how black text looks on a background with the XYZ color 32.1681, 25.0494, 55.3641.



This preview shows how white text looks on a background with the XYZ color 32.1681, 25.0494,

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

32.1681, 25.0494, 55.3641

Protanopia

26.8524, 25.3606, 64.4526

Deuteranopia

25.7898, 25.2656, 53.3867



Tritanopia

26.6209, 25.0268, 28.2385

Trichromacy



Original Color

32.1681, 25.0494, 55.3641

Protanomaly

28.2298, 24.9336, 61.0824

Deuteranomaly

27.4676, 24.7017, 53.7723

Tritanomaly

28.3032, 24.9334, 36.5786

Monochromacy



Original Color

32.1681, 25.0494, 55.3641

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.3982, 25.8323, 37.2603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1681, 25.0494, 55.3641 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(166, 118, 196)` looks like.

```
.text, #text, p{  
    color:rgb(166, 118, 196)  
}
```

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(166, 118, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 118, 196) }
```

Border

The CSS property to change the border of an element to XYZ 32.1681, 25.0494, 55.3641 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(166, 118, 196) }
```


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

```
.border{ border-color:rgb(166, 118, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 118, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 118, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 118, 196);  
box-shadow:4px 4px 4px 4px rgb(166, 118,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1681, 25.0494, 55.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 118, 196) }
```

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

```
.background{ background-color: rgb(166,  
118, 196) }
```

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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