

Converting Colors

XYZ(32.3926, 50.2018, 25.2469)

Have a look what the booklet for
XYZ(32.3926, 50.2018, 25.2469)
contains.

XYZ(32.3772, 50.1601, 25.1150)	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(32.3772, 50.1601,
25.1150)**

Conversions

Conversions Part 1

Format	Color
Hex	6DD176
RGB	109, 209, 118
RGB Percent	43%, 82%, 46%
CMY	0.5725, 0.1804, 0.5372
CMYK	0.48, 0.00, 0.44, 0.18
HSL	125°, 52%, 62%
HSV	125°, 48%, 82%
XYZ	32.3772, 50.1601, 25.1150
YIQ	168.7260, -30.3890, -49.5010

Conversions

Conversions Part 2

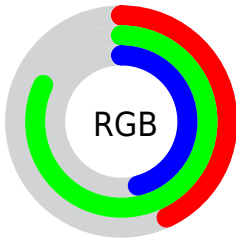
Format	Color
RYB	109, 201, 209
Decimal	7197046
CIELab	76.17, -48.08, 36.25
CIELCh	76, 60.214, 142.981
Yxy	50.1601, 0.3008, 0.4659
Android (android.graphics.Color)	4285387126 (0xFF6DD176)
YUV	168.7260, -25.0079, -52.3797
Hunter-Lab	70.8238, -42.3401, 28.5517

Details

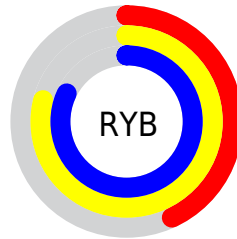
The XYZ color **32.3772, 50.1601, 25.1150** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **42.1901, 28.6638, 57.9543**, and the grayscale version is **37.7081, 39.6719, 43.2027**.

A 20% lighter version of the original color is **58.8366, 82.5673, 51.3641**, and **13.9144, 24.2067, 9.4078** is the 20% darker color. If you saturate the color by 10%, you get **29.0868, 48.5830, 19.6447**, and if you desaturate by 10%, it is **36.5092, 52.1477, 31.8164**.

Distribution



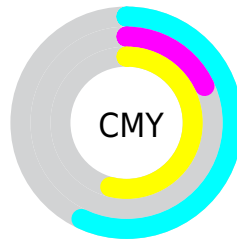
- Red (43%)
- Green (82%)
- Blue (46%)



- Red (43%)
- Yellow (79%)
- Blue (82%)



- Cyan (48%)
- Magenta (0%)
- Yellow (44%)
- Black (18%)



- Cyan (57%)
- Magenta (18%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3772, 50.1601, 25.1150 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 32.3772, 50.1601, 25.1150 by changing the saturation by 10% instead.

■ 32.3772, 50.1601,
25.1150

■ 32.3772, 50.1601,
25.1150

304.5488,
387.2917, 291.8762

■ 21.8067, 35.5406,
15.9430

■ 62.7632, 90.4120,
52.8102

■ 13.8308, 24.0796,
9.3299

■ 83.3094, 116.8133,
72.1704

■ 8.0840, 15.3927,
4.8572

■ 107.9115,
147.9106, 95.7637

■ 4.2010, 9.0955,
2.1065

136.9349,
184.0884, 124.0087

■ 1.8165, 4.8035,
0.6196

170.7450,
225.7309, 157.3239

■ 0.5276, 2.1324,
0.0000

209.7071,

■ 0.0000, 0.6828,

273.2228, 196.1278

0.0000

254.1866,
326.9482, 240.8391

■ 0.0000, 0.0000,
0.0000

■ 32.3772, 50.1601,
25.1150

■ 32.3772, 50.1601,
25.1150

■ 29.0868, 48.5830,
19.6447

■ 36.5092, 52.1477,
31.8164

■ 26.5766, 47.3819,
15.3274

■ 41.5315, 54.5649,
39.8139

■ 24.7825, 46.5270,
12.0816


■ 47.4933, 57.4374,
49.1718

■ 23.6288, 45.9812,
9.8134


■ 54.4392, 60.7868,
59.9495


■ 23.0115, 45.6933,
8.4126

■ 62.4110, 64.6335,
72.2025

 22.9173, 45.6492,
8.2110

 71.4481, 68.9966,
85.9836

 81.4756, 73.8365,
101.3376

 82.0914, 74.0828,
104.5805

Harmonies

Analogous

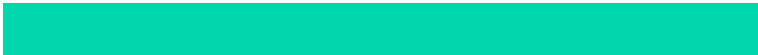
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.7030, 50.1601, 15.0789



32.3772, 50.1601, 25.1150



29.2343, 50.1601, 47.3747

Triad

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



32.3772, 50.1601, 25.1150



45.0753, 50.1601, 142.3141



70.5478, 50.1601, 33.7857

Complementary

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



32.3772, 50.1601, 25.1150



42.1901, 28.6638, 57.9543

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.



72.5903, 50.1601, 62.5595



32.3772, 50.1601, 25.1150



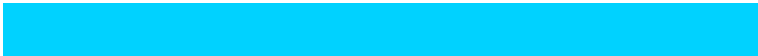
56.6500, 50.1601, 134.0311

Square

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



32.3772, 50.1601, 25.1150



35.7784, 50.1601, 120.6959



67.1634, 50.1601, 101.1725



61.9551, 50.1601, 18.5300

Rectangle

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



32.3772, 50.1601, 25.1150



29.5178, 50.1601, 69.7821



67.1634, 50.1601, 101.1725



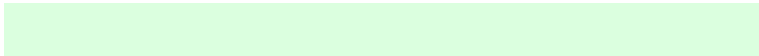
72.0734, 50.1601, 41.8234

Sweetspot

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



32.3785, 50.1622, 25.1161



78.3175, 91.9281, 83.0846



49.5607, 59.0788, 23.2597



16.2721, 19.4396, 17.0195



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.



32.3785, 50.1622, 25.1161



45.7054, 76.2360, 30.9574



36.1145, 51.6566, 44.7897



11.6989, 13.2233, 12.7708



14.1454, 28.1511, 5.1457



0.8062, 1.5801, 0.3680

Inverse Universe

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



42.1901, 28.6638, 57.9543



62.7928, 38.7423, 88.1078



37.3235, 26.7171, 32.3273



12.2630, 11.9899, 14.6608



21.9747, 10.6627, 31.1026



1.2424, 0.6017, 1.8114

Previews

White Background



This preview shows how the XYZ color 32.3772, 50.1601, 25.1150 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.3772, 50.1601, 25.1150 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 ✓ Pass

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

XYZ 32.3772, 50.1601, 25.1150

Background



This preview shows how black text looks on a background with the XYZ color 32.3772, 50.1601, 25.1150.



This preview shows how white text looks on a background with the XYZ color 32.3772, 50.1601,

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

32.3772, 50.1601, 25.1150

Protanopia

45.4866, 49.5038, 21.9096

Deuteranopia

50.3625, 49.1688, 26.2382



Tritanopia

41.5376, 49.9890, 71.0779

Trichromacy



Original Color

32.3772, 50.1601, 25.1150



Protanomaly

38.8579, 48.6575, 22.9666



Deuteranomaly

41.0019, 47.7454, 25.4671



Tritanomaly

37.2833, 49.6333, 50.2630

Monochromacy



Original Color

32.3772, 50.1601, 25.1150



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

34.6781, 42.6860, 35.2657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3772, 50.1601, 25.1150 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, 209, 118)` looks like.

```
.text, #text, p{  
    color:rgb(109, 209, 118)  
}
```

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, 209, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 209, 118) }
```

Border

The CSS property to change the border of an element to XYZ 32.3772, 50.1601, 25.1150 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, 209, 118) }
```


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

```
.border{ border-color:rgb(109, 209, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 209, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 209, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 209, 118);  
box-shadow:4px 4px 4px 4px rgb(109, 209,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3772, 50.1601, 25.1150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 209, 118) }
```

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

```
.background{ background-color: rgb(109,  
209, 118) }
```

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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