

Converting Colors

XYZ(50.2446, 65.9161, 32.2890)

Have a look what the booklet for
XYZ(50.2446, 65.9161, 32.2890)
contains.

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Color

**XYZ(50.2524, 65.7895,
32.2404)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E285
RGB	180, 226, 133
RGB Percent	71%, 89%, 52%
CMY	0.2941, 0.1137, 0.4784
CMYK	0.20, 0.00, 0.41, 0.11
HSL	90°, 62%, 70%
HSV	90°, 41%, 89%
XYZ	50.2524, 65.7895, 32.2404
YIQ	201.6440, 2.4370, -38.6750

Conversions

Conversions Part 2

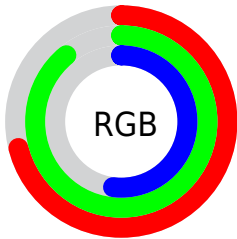
Format	Color
RYB	133, 226, 179
Decimal	11854469
CIELab	84.89, -30.56, 40.64
CIElCh	85, 50.850, 126.941
Yxy	65.7895, 0.3389, 0.4437
Android (android.graphics.Color)	4290044549 (0xFFB4E285)
YUV	201.6440, -33.8415, -18.9818
Hunter-Lab	81.1107, -31.3535, 33.2105

Details

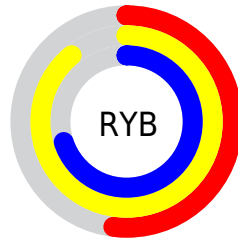
The XYZ color **50.2524, 65.7895, 32.2404** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **40.7082, 31.8517, 75.9576**, and the grayscale version is **56.1217, 59.0444, 64.2994**.

A 20% lighter version of the original color is **79.6547, 93.1124, 60.7879**, and **24.3174, 33.7035, 13.0083** is the 20% darker color. If you saturate the color by 10%, you get **46.3579, 63.9453, 24.7663**, and if you desaturate by 10%, it is **54.6961, 67.8821, 41.4964**.

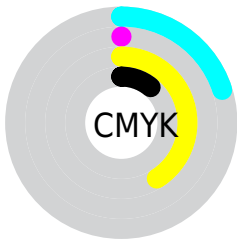
Distribution



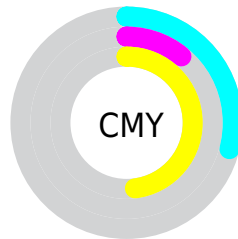
- Red (71%)
- Green (89%)
- Blue (52%)



- Red (52%)
- Yellow (89%)
- Blue (70%)



- Cyan (20%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)





- Cyan (29%)
- Magenta (11%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2524, 65.7895, 32.2404 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 50.2524, 65.7895, 32.2404 by changing the saturation by 10% instead.


 50.2524, 65.7895,
32.2404


 50.2524, 65.7895,
32.2404


378.0879,
445.6237, 326.7393


 35.8326, 48.1015,
21.2788


 89.7383, 113.1842,
64.2901

 24.4745, 33.9073,
13.1348


 115.5352,
143.6596, 86.2152

 15.8126, 22.8224,
7.3896


 145.8550,
179.1664, 112.6320

 9.4816, 14.4624,
3.6248

181.0634,
220.0889, 143.9590

 5.1163, 8.4430,
1.4219

221.5254,
266.8115, 180.6147

 2.3511, 4.3797,
0.1587

267.6066,

 0.8206, 1.8881,

319.7185, 223.0176

0.0000

319.6723,
379.1945, 271.5863

0.0000, 0.5412,
0.0000

0.0000, 0.0000,
0.0000

50.2524, 65.7895,
32.2404

50.2524, 65.7895,
32.2404

46.3579, 63.9453,
24.7663

54.6961, 67.8821,
41.4964

42.9810, 62.3296,
18.9550


59.7086, 70.2248,
52.6346


40.0940, 60.9329,
14.6797


65.3146, 72.8303,
65.7529


37.6636, 59.7413,
11.7934

71.5355, 75.7075,
80.9412

 35.6510, 58.7387,
10.1205

 78.3915, 78.8652,
98.2839

 34.1644, 57.9869,
9.3920

 83.6331, 81.4039,
105.9123

 86.4878, 82.8755,
106.0459

Harmonies

Analogous

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



59.9173, 65.7895, 25.6178



50.2524, 65.7895, 32.2404



44.4413, 65.7895, 49.7373

Triad

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



50.2524, 65.7895, 32.2404



54.3267, 65.7895, 146.3786



86.9314, 65.7895, 64.3066

Complementary

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



50.2524, 65.7895, 32.2404



40.7082, 31.8517, 75.9576

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.



84.9636, 65.7895, 99.1648



50.2524, 65.7895, 32.2404



65.2195, 65.7895, 153.8433

Square

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



50.2524, 65.7895, 32.2404



46.5861, 65.7895, 116.4115



76.6624, 65.7895, 134.4904



81.7529, 65.7895, 40.1225

Rectangle

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



50.2524, 65.7895, 32.2404



43.0845, 65.7895, 68.3332



76.6624, 65.7895, 134.4904



87.0928, 65.7895, 75.0385

Sweetspot

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



50.2540, 65.7924, 32.2418



85.1577, 95.4249, 84.7363



51.5107, 49.6856, 29.0667



18.0121, 20.3250, 17.6259



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.



50.2540, 65.7924, 32.2418



61.8339, 84.4957, 34.1870



41.3514, 61.2029, 31.8252



14.1856, 15.6759, 14.5849



19.6271, 33.1507, 5.3643



1.4637, 2.3511, 0.3767

Inverse Universe

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



40.7082, 31.8517, 75.9576



47.7416, 34.3865, 98.7287



52.9978, 38.1872, 76.5328



13.5946, 13.5745, 17.2913



11.7654, 5.1606, 41.4243



0.9187, 0.4109, 2.8761

Previews

White Background



This preview shows how the XYZ color 50.2524, 65.7895, 32.2404 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 50.2524, 65.7895, 32.2404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

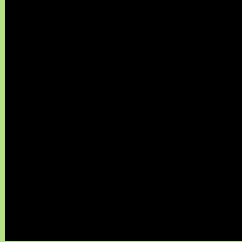
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2524, 65.7895, 32.2404

Background



This preview shows how black text looks on a background with the XYZ color 50.2524, 65.7895, 32.2404.

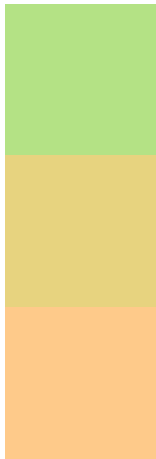


This preview shows how white text looks on a background with the XYZ color 50.2524, 65.7895,

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

50.2524, 65.7895, 32.2404

Protanopia

60.0800, 65.1098, 29.4796

Deuteranopia

66.5810, 65.1469, 33.1102



Tritanopia

60.7185, 65.3320, 85.0114

Trichromacy



Original Color

50.2524, 65.7895, 32.2404

Protanomaly

55.6697, 64.6938, 30.3219

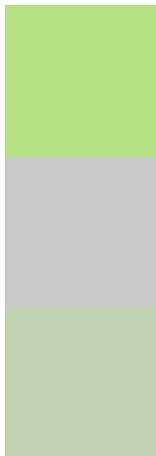
Deuteranomaly

59.4168, 64.6970, 32.6487

Tritanomaly

55.9080, 64.9018, 61.2104

Monochromacy



Original Color

50.2524, 65.7895, 32.2404

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

53.4782, 61.2322, 50.5954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2524, 65.7895, 32.2404 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(180, 226, 133)` looks like.

```
.text, #text, p{  
    color:rgb(180, 226, 133)  
}
```

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(180, 226, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 226, 133) }
```

Border

The CSS property to change the border of an element to XYZ 50.2524, 65.7895, 32.2404 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(180, 226, 133) }
```


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

```
.border{ border-color:rgb(180, 226, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 226, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 226, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 226, 133);  
box-shadow:4px 4px 4px 4px rgb(180, 226,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2524, 65.7895, 32.2404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 226, 133) }
```

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

```
.background{ background-color: rgb(180,  
226, 133) }
```

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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