

Converting Colors

XYZ(29.7019, 49.2193, 24.8440)

Have a look what the booklet for
XYZ(29.7019, 49.2193, 24.8440)
contains.

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Color

**XYZ(29.6508, 49.1269,
24.7493)**

Conversions

Conversions Part 1

Format	Color
Hex	51D275
RGB	81, 210, 117
RGB Percent	32%, 82%, 46%
CMY	0.6823, 0.1765, 0.5412
CMYK	0.61, 0.00, 0.44, 0.18
HSL	137°, 59%, 57%
HSV	137°, 61%, 82%
XYZ	29.6508, 49.1269, 24.7493
YIQ	160.8270, -47.0310, -56.2710

Conversions

Conversions Part 2

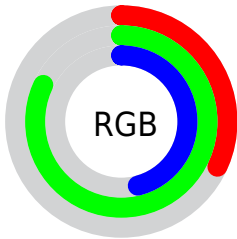
Format	Color
RYB	81, 182, 210
Decimal	5362293
CIELab	75.53, -55.42, 35.75
CIELCh	76, 65.952, 147.173
Yxy	49.1269, 0.2864, 0.4745
Android (android.graphics.Color)	4283552373 (0xFF51D275)
YUV	160.8270, -21.6067, -70.0083
Hunter-Lab	70.0906, -47.1467, 28.1278

Details

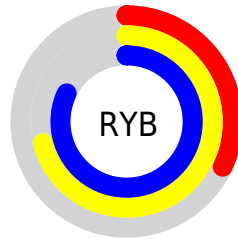
The XYZ color **29.6508, 49.1269, 24.7493** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **37.1622, 22.6433, 42.4576**, and the grayscale version is **33.9097, 35.6757, 38.8508**.

A 20% lighter version of the original color is **54.1710, 80.1731, 50.6500**, and **12.5687, 23.5165, 9.1869** is the 20% darker color. If you saturate the color by 10%, you get **27.3026, 48.0124, 20.3631**, and if you desaturate by 10%, it is **32.7018, 50.5898, 29.9221**.

Distribution



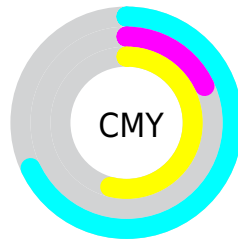
- Red (32%)
- Green (82%)
- Blue (46%)



- Red (32%)
- Yellow (71%)
- Blue (82%)



- Cyan (61%)
- Magenta (0%)
- Yellow (44%)
- Black (18%)





- Cyan (68%)
- Magenta (18%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6508, 49.1269, 24.7493 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 29.6508, 49.1269, 24.7493 by changing the saturation by 10% instead.


 29.6508, 49.1269,
24.7493


 29.6508, 49.1269,
24.7493


292.2125,
383.2417, 289.9947


 19.7204, 34.7202,
15.6731


 58.4999, 88.8799,
52.2093


 12.2991, 23.4474,
9.1413

 78.1494, 114.9949,
71.4301

 7.0213, 14.9242,
4.7354


 101.7693,
145.7815, 94.8695

 3.5219, 8.7662,
2.0368

 129.7250,
181.6241, 122.9461

 1.4354, 4.5890,
0.5778

162.3818,
222.9070, 156.0784

 0.2812, 2.0082,
0.0000

200.1050,

 0.0000, 0.6122,

270.0146, 194.6849

0.0000

243.2602,
323.3314, 239.1842

■ 0.0000, 0.0000,
0.0000

■ 29.6508, 49.1269,
24.7493

■ 29.6508, 49.1269,
24.7493

■ 27.3026, 48.0124,
20.3631

■ 32.7018, 50.5898,
29.9221

■ 25.5933, 47.2101,
16.7212

■ 36.5048, 52.4217,
35.9143

■ 24.4532, 46.6862,
13.7824

■ 41.1087, 54.6483,
42.7608

■ 23.8268, 46.4068,
11.7860

■ 46.5571, 57.2915,
50.4935

■ 52.8903, 60.3715,
59.1427

■ 60.1463, 63.9073,
68.7372

■ 68.3604, 67.9164,
79.3045

■ 77.5663, 72.4158,
90.8711

■ 82.0586, 74.4636,
103.1938

Harmonies

Analogous

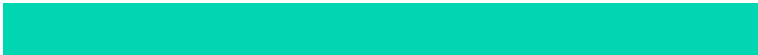
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.7953, 49.1269, 13.2612



29.6508, 49.1269, 24.7493



26.9928, 49.1269, 50.2506

Triad

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



29.6508, 49.1269, 24.7493



45.5481, 49.1269, 152.3237



70.7780, 49.1269, 28.3374

Complementary

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



29.6508, 49.1269, 24.7493



37.1622, 22.6433, 42.4576

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.



74.2046, 49.1269, 56.8674



29.6508, 49.1269, 24.7493



58.2248, 49.1269, 138.0855

Square

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



29.6508, 49.1269, 24.7493



35.1147, 49.1269, 131.9536



69.2648, 49.1269, 98.7060



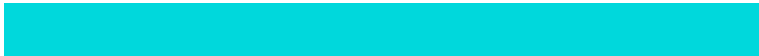
60.5734, 49.1269, 14.6099

Rectangle

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



29.6508, 49.1269, 24.7493



27.7036, 49.1269, 75.8358



69.2648, 49.1269, 98.7060



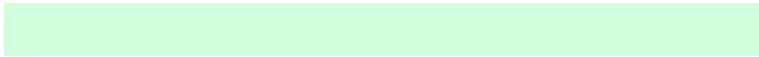
72.8303, 49.1269, 36.0325

Sweetspot

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



29.6520, 49.1289, 24.7504



75.2555, 90.3590, 82.5183



42.3477, 55.8731, 16.3374



15.5175, 19.0537, 16.8466



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.



29.6520, 49.1289, 24.7504



41.3545, 74.0197, 29.5482



34.6694, 51.1359, 51.1713



11.7900, 13.2597, 13.2504



14.5705, 28.3211, 7.3846



0.8487, 1.5971, 0.5920

Inverse Universe

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



37.1622, 22.6433, 42.4576



53.9066, 29.4719, 58.9350



32.3968, 20.7372, 17.3635



12.1642, 11.9504, 14.1405



19.6840, 9.7464, 19.0398



1.1334, 0.5581, 1.2374

Previews

White Background



This preview shows how the XYZ color 29.6508, 49.1269, 24.7493 looks on a white background.

Color Contrast Check

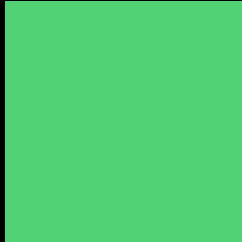
Large Text (above 18pt) WCAG AA × Fail

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 29.6508, 49.1269, 24.7493 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 29.6508, 49.1269, 24.7493

Background



This preview shows how black text looks on a background with the XYZ color 29.6508, 49.1269, 24.7493.



This preview shows how white text looks on a background with the XYZ color 29.6508, 49.1269,

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

29.6508, 49.1269, 24.7493

Protanopia

44.4129, 48.3372, 21.1766

Deuteranopia

49.2426, 48.2971, 26.1289



Tritanopia

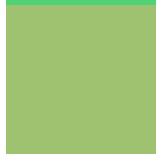
38.9958, 49.0044, 71.6935

Trichromacy



Original Color

29.6508, 49.1269, 24.7493



Protanomaly

36.2616, 47.0004, 22.1997



Deuteranomaly

38.2880, 46.3464, 25.3401



Tritanomaly

34.6382, 48.6192, 50.2066

Monochromacy



Original Color

29.6508, 49.1269, 24.7493



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

30.7467, 39.1901, 32.7320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6508, 49.1269, 24.7493 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(81, 210, 117)` looks like.

```
.text, #text, p{  
    color:rgb(81, 210, 117)  
}
```

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(81, 210, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 210, 117) }
```

Border

The CSS property to change the border of an element to XYZ 29.6508, 49.1269, 24.7493 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(81, 210, 117) }
```


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

```
.border{ border-color:rgb(81, 210, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 210, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 210, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 210, 117);  
box-shadow:4px 4px 4px 4px rgb(81, 210,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6508, 49.1269, 24.7493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 210, 117) }
```

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

```
.background{ background-color: rgb(81, 210,  
117) }
```

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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