

Converting Colors

XYZ(29.9013, 33.6561, 21.5382)

Have a look what the booklet for
XYZ(29.9013, 33.6561, 21.5382)
contains.

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Color

**XYZ(29.8237, 33.6717,
21.4504)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA074
RGB	158, 160, 116
RGB Percent	62%, 63%, 45%
CMY	0.3804, 0.3725, 0.5451
CMYK	0.01, 0.00, 0.28, 0.37
HSL	63°, 19%, 54%
HSV	63°, 28%, 63%
XYZ	29.8237, 33.6717, 21.4504
YIQ	154.3860, 12.9320, -14.1080

Conversions

Conversions Part 2

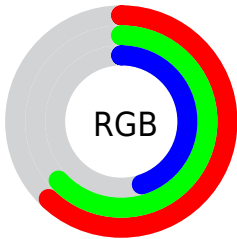
Format	Color
RYB	116, 160, 118
Decimal	10395764
CIELab	64.70, -8.09, 22.77
CIElCh	65, 24.159, 109.553
Yxy	33.6717, 0.3511, 0.3964
Android (android.graphics.Color)	4288585844 (0xFF9EA074)
YUV	154.3860, -18.9243, 3.1695
Hunter-Lab	58.0273, -9.8060, 18.7020

Details

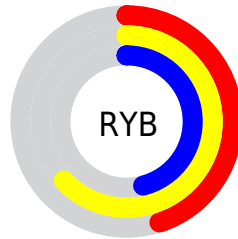
The XYZ color **29.8237, 33.6717, 21.4504** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.0631, 18.8813, 35.8467**, and the grayscale version is **30.9622, 32.5747, 35.4738**.

A 20% lighter version of the original color is **58.8089, 65.5742, 46.6033**, and **12.4256, 14.4067, 7.4361** is the 20% darker color. If you saturate the color by 10%, you get **28.8294, 33.2586, 16.9569**, and if you desaturate by 10%, it is **30.9809, 34.1524, 26.7897**.

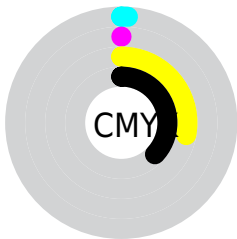
Distribution



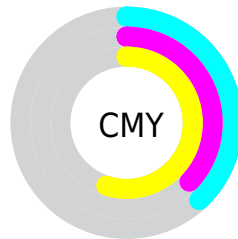
- Red (62%)
- Green (63%)
- Blue (45%)



- Red (45%)
- Yellow (63%)
- Blue (46%)



- Cyan (1%)
- Magenta (0%)
- Yellow (28%)
- Black (37%)



- Cyan (38%)
- Magenta (37%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8237, 33.6717, 21.4504 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 29.8237, 33.6717, 21.4504 by changing the saturation by 10% instead.

■ 29.8237, 33.6717,
21.4504

■ 29.8237, 33.6717,
21.4504

293.0064,
318.6657, 272.5218

■ 19.8522, 22.6415,
13.2592

■ 58.7718, 65.4228,
46.7264

■ 12.3953, 14.3290,
7.4744

■ 78.4791, 86.9125,
64.6483

■ 7.0876, 8.3499,
3.6776

■ 102.1625,
112.6575, 86.6508

■ 3.5638, 4.3196,
1.4502

130.1871,
143.0422, 113.1525

■ 1.4584, 1.8539,
0.1804

162.9185,
178.4510, 144.5719

■ 0.2973, 0.5204,
0.0000

200.7219,

■ 0.0000, 0.0000,

219.2682, 181.3275

0.0000

243.9628,
265.8783, 223.8380

■ 29.8237, 33.6717,
21.4504

■ 29.8237, 33.6717,
21.4504

■ 28.8294, 33.2586,
16.9569

■ 30.9809, 34.1524,
26.7897

■ 27.9873, 32.9054,
13.2639

■ 32.3061, 34.6991,
33.0129

■ 27.2891, 32.6098,
10.3249

■ 33.8072, 35.3164,
40.1582

■ 26.7251, 32.3680,
8.0879

■ 35.4910, 36.0068,
48.2612

■ 26.2842, 32.1755,
6.4942

■ 37.3639, 36.7730,
57.3554

■ 25.9533, 32.0271,
5.4757

■ 39.4320, 37.6173,
67.4727

■ 25.7110, 31.9142,
4.9198

■ 41.7010, 38.5421,
78.6436

■ 25.6548, 31.8878,
4.8028

■ 44.1764, 39.5496,
90.8974

■ 46.0472, 40.3153,
99.9624

Harmonies

Analogous

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



33.2284, 33.6717, 20.9062



29.8237, 33.6717, 21.4504



27.1928, 33.6717, 25.6164

Triad

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



29.8237, 33.6717, 21.4504



27.8699, 33.6717, 53.2010



39.0198, 33.6717, 40.2359

Complementary

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



29.8237, 33.6717, 21.4504



20.0631, 18.8813, 35.8467

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.



37.3515, 33.6717, 50.5003



29.8237, 33.6717, 21.4504



30.8099, 33.6717, 58.8332

Square

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



29.8237, 33.6717, 21.4504



26.1224, 33.6717, 43.4328



34.2879, 33.6717, 57.7642



38.7080, 33.6717, 30.6355

Rectangle

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



29.8237, 33.6717, 21.4504



26.1535, 33.6717, 30.3876



34.2879, 33.6717, 57.7642



38.6676, 33.6717, 43.7473

Sweetspot

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



29.8246, 33.6732, 21.4511



58.4883, 62.9312, 59.1498



24.0665, 21.5670, 19.4179



12.7480, 13.7690, 12.5978



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.8246, 33.6732, 21.4511



53.0073, 60.6619, 33.7636



25.9647, 31.6834, 21.2705



7.1403, 7.7050, 7.0965



19.9938, 24.8439, 3.7416



0.3657, 0.4484, 0.0673

Inverse Universe

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



20.0631, 18.8813, 35.8467



32.2826, 29.2541, 64.3317



23.3172, 20.5588, 35.9990



6.3113, 6.4490, 8.3188



5.0242, 2.0191, 26.0322



0.0971, 0.0398, 0.4658

Previews

White Background



This preview shows how the XYZ color 29.8237, 33.6717, 21.4504 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 29.8237, 33.6717, 21.4504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

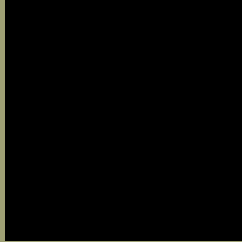
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8237, 33.6717, 21.4504

Background



This preview shows how black text looks on a background with the XYZ color 29.8237, 33.6717, 21.4504.



This preview shows how white text looks on a background with the XYZ color 29.8237, 33.6717,

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

29.8237, 33.6717, 21.4504

Protanopia

31.5137, 33.7868, 21.0802

Deuteranopia

34.1839, 33.4350, 21.7914



Tritanopia

33.7484, 33.7569, 40.8134

Trichromacy



Original Color

29.8237, 33.6717, 21.4504

Protanomaly

30.8384, 33.6909, 21.0973

Deuteranomaly

32.4457, 33.5095, 21.5875

Tritanomaly

32.1341, 33.5964, 32.8081

Monochromacy



Original Color

29.8237, 33.6717, 21.4504

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.1397, 32.6389, 29.5224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8237, 33.6717, 21.4504 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(158, 160, 116)` looks like.

```
.text, #text, p{  
    color:rgb(158, 160, 116)  
}
```

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(158, 160, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 160, 116) }
```

Border

The CSS property to change the border of an element to XYZ 29.8237, 33.6717, 21.4504 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(158, 160, 116) }
```


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

```
.border{ border-color:rgb(158, 160, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 160, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 160, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 160, 116); box-shadow:4px 4px 4px 4px rgb(158, 160, 116) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8237, 33.6717, 21.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 160, 116) }
```

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

```
.background{ background-color: rgb(158,  
160, 116) }
```

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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