

Converting Colors

XYZ(30.3021, 28.1233, 20.4721)

Have a look what the booklet for
XYZ(30.3021, 28.1233, 20.4721)
contains.

XYZ(30.1765, 28.0539, 20.3475)	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(30.1765, 28.0539,
20.3475)**

Conversions

Conversions Part 1

Format	Color
Hex	B28774
RGB	178, 135, 116
RGB Percent	70%, 53%, 45%
CMY	0.3020, 0.4706, 0.5451
CMYK	0.00, 0.24, 0.35, 0.30
HSL	18°, 29%, 58%
HSV	18°, 35%, 70%
XYZ	30.1765, 28.0539, 20.3475
YIQ	145.6910, 31.7270, 3.2070

Conversions

Conversions Part 2

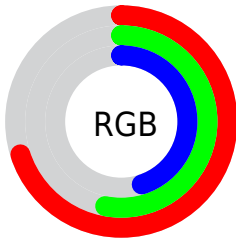
Format	Color
R_{YB}	178, 143, 116
Decimal	11700084
CIE Lab	59.94, 13.78, 16.58
CIE LCh	60, 21.562, 50.269
Yxy	28.0539, 0.3840, 0.3570
Android (android.graphics.Color)	4289890164 (0xFFB28774)
YUV	145.6910, -14.6377, 28.3350
Hunter-Lab	52.9659, 9.0072, 14.2992

Details

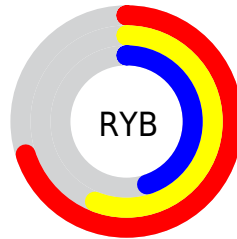
The XYZ color **30.1765, 28.0539, 20.3475** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **27.6361, 31.7226, 46.7861**, and the grayscale version is **27.2447, 28.6635, 31.2146**.

A 20% lighter version of the original color is **59.3121, 56.4558, 44.8168**, and **12.6041, 11.1994, 6.9662** is the 20% darker color. If you saturate the color by 10%, you get **27.6152, 24.4325, 14.8656**, and if you desaturate by 10%, it is **33.1374, 32.1568, 26.9420**.

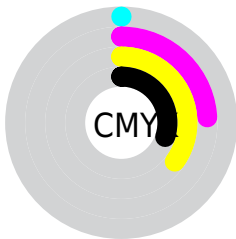
Distribution



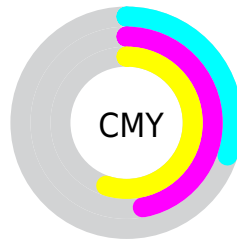
- Red (70%)
- Green (53%)
- Blue (45%)



- Red (70%)
- Yellow (56%)
- Blue (45%)



- Cyan (0%)
- Magenta (24%)
- Yellow (35%)
- Black (30%)



- Cyan (30%)
- Magenta (47%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1765, 28.0539, 20.3475 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 30.1765, 28.0539, 20.3475 by changing the saturation by 10% instead.

■ 30.1765, 28.0539,
20.3475

■ 30.1765, 28.0539,
20.3475

294.6214,
292.7244, 266.4564

■ 20.1213, 18.3663,
12.4613

■ 59.3259, 56.5705,
44.8656

■ 12.5920, 11.2133,
6.9323

■ 79.1509, 76.1683,
62.3347

■ 7.2233, 6.2105,
3.3420

■ 102.9631, 99.8382,
83.8351

■ 3.6497, 2.9735,
1.2718

131.1280,
127.9647, 109.7853

■ 1.5059, 1.1179,
0.0385

164.0109,
160.9322, 140.6041

■ 0.3299, 0.0000,
0.0000

201.9772,

■ 0.0000, 0.0000,

199.1250, 176.7098

0.0000

245.3923,
242.9276, 218.5211

■ 30.1765, 28.0539,
20.3475

■ 30.1765, 28.0539,
20.3475

■ 27.6152, 24.4325,
14.8656

■ 33.1374, 32.1568,
26.9420

■ 25.4331, 21.2704,
10.4325

■ 36.5127, 36.7542,
34.7047

■ 23.6113, 18.5496,
6.9804

■ 40.3189, 41.8638,
43.6894

■ 22.1282, 16.2493,
4.4327

■ 44.5711, 47.5010,
53.9463

■ 20.9592, 14.3466,
2.7015

■ 49.2837, 53.6807,
65.5223

■ 20.0761, 12.8162,
1.6799

■ 54.4701, 60.4170,
78.4625

■ 19.7055, 12.1557,
1.3077

■ 60.1436, 67.7236,
92.8093

■ 65.7640, 75.3927,
105.6939

■ 69.3969, 82.6584,
106.9048

Harmonies

Analogous

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



31.9195, 28.0539, 25.6104



30.1765, 28.0539, 20.3475



27.5651, 28.0539, 17.9551

Triad

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



30.1765, 28.0539, 20.3475



21.8005, 28.0539, 28.0653



28.5319, 28.0539, 47.0031

Complementary

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



30.1765, 28.0539, 20.3475



27.6361, 31.7226, 46.7861

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.



25.7836, 28.0539, 47.9657



30.1765, 28.0539, 20.3475



22.0203, 28.0539, 36.0780

Square

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



30.1765, 28.0539, 20.3475



22.8136, 28.0539, 21.8792



23.4359, 28.0539, 43.6844



30.9258, 28.0539, 41.2436

Rectangle

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



30.1765, 28.0539, 20.3475



25.7360, 28.0539, 17.9723



23.4359, 28.0539, 43.6844



27.6148, 28.0539, 47.9325

Sweetspot

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



30.1772, 28.0552, 20.3481



69.3294, 70.8500, 70.2424



30.8985, 24.4732, 36.0787



15.1499, 15.4145, 15.0678



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.1772, 28.0552, 20.3481



50.9975, 45.6184, 28.8876



35.0763, 37.8534, 21.9811



8.7018, 8.9160, 8.9149



14.1492, 8.7970, 0.9523



0.4982, 0.3828, 0.0476

Inverse Universe

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



27.6361, 31.7226, 46.7861



45.6604, 53.2701, 84.2568



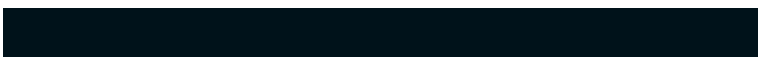
23.0101, 22.4706, 45.2441



8.5185, 9.1831, 10.8299



10.9145, 12.6294, 31.9995



0.3921, 0.4948, 1.0231

Previews

White Background



This preview shows how the XYZ color 30.1765, 28.0539, 20.3475 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 30.1765, 28.0539, 20.3475 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 30.1765, 28.0539, 20.3475

Background



This preview shows how black text looks on a background with the XYZ color 30.1765, 28.0539, 20.3475.



This preview shows how white text looks on a background with the XYZ color 30.1765, 28.0539,

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

30.1765, 28.0539, 20.3475

Protanopia

26.5003, 28.0749, 21.7916

Deuteranopia

28.6893, 28.1381, 20.1388



Tritanopia

31.9801, 27.9794, 28.9143

Trichromacy



Original Color

30.1765, 28.0539, 20.3475

Protanomaly

27.7549, 28.0630, 21.4066

Deuteranomaly

29.1962, 28.1854, 20.1212

Tritanomaly

31.2385, 27.8718, 25.5631

Monochromacy



Original Color

30.1765, 28.0539, 20.3475

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.1467, 28.3644, 26.9130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1765, 28.0539, 20.3475 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(178, 135, 116)` looks like.

```
.text, #text, p{  
    color:rgb(178, 135, 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(178, 135, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 135, 116) }
```

Border

The CSS property to change the border of an element to XYZ 30.1765, 28.0539, 20.3475 is called "border". The border property can be set on classes, ids or directly on the HTML element.

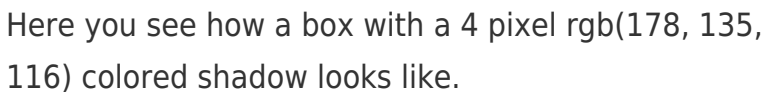
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 135, 116) }
```


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

```
.border{ border-color:rgb(178, 135, 116) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 135, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 135, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 135, 116); box-shadow:4px 4px 4px 4px rgb(178, 135, 116) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1765, 28.0539, 20.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 135, 116) }
```

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

```
.background{ background-color: rgb(178,  
135, 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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