

Converting Colors

XYZ(28.6153, 30.2335, 20.3080)

Have a look what the booklet for
XYZ(28.6153, 30.2335, 20.3080)
contains.

XYZ(28.5275, 30.0761, 20.2213)	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(28.5275, 30.0761,
20.2213)**

Conversions

Conversions Part 1

Format	Color
Hex	A29472
RGB	162, 148, 114
RGB Percent	64%, 58%, 45%
CMY	0.3647, 0.4196, 0.5529
CMYK	0.00, 0.09, 0.30, 0.36
HSL	43°, 21%, 54%
HSV	43°, 30%, 64%
XYZ	28.5275, 30.0761, 20.2213
YIQ	148.3100, 19.2580, -7.6060

Conversions

Conversions Part 2

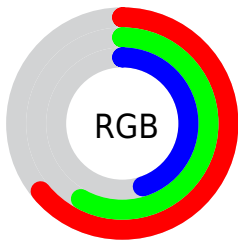
Format	Color
RYB	134, 162, 114
Decimal	10654834
CIELab	61.72, -0.23, 19.89
CIElCh	62, 19.894, 90.663
Yxy	30.0761, 0.3619, 0.3816
Android (android.graphics.Color)	4288844914 (0xFFA29472)
YUV	148.3100, -16.9148, 12.0061
Hunter-Lab	54.8417, -3.1210, 16.5277

Details

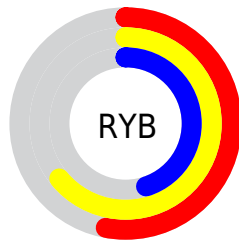
The XYZ color **28.5275, 30.0761, 20.2213** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.1801, 21.6239, 37.2401**, and the grayscale version is **28.3413, 29.8172, 32.4709**.

A 20% lighter version of the original color is **56.6187, 59.7459, 44.6244**, and **11.6885, 12.2577, 6.9042** is the 20% darker color. If you saturate the color by 10%, you get **26.9602, 28.2887, 15.5455**, and if you desaturate by 10%, it is **30.2899, 31.9921, 25.7687**.

Distribution



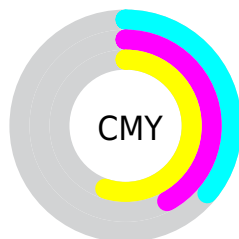
- Red (64%)
- Green (58%)
- Blue (45%)



- Red (53%)
- Yellow (64%)
- Blue (45%)



- Cyan (0%)
- Magenta (9%)
- Yellow (30%)
- Black (36%)



- Cyan (36%)
- Magenta (42%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5275, 30.0761, 20.2213 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 28.5275, 30.0761, 20.2213 by changing the saturation by 10% instead.

■ 28.5275, 30.0761,
20.2213

■ 28.5275, 30.0761,
20.2213

287.0136,
302.2590, 265.7544

■ 18.8662, 19.8964,
12.3703

■ 56.7283, 59.7825,
44.6517

■ 11.6770, 12.3197,
6.8708

■ 75.9985, 80.0780,
62.0683

■ 6.5948, 6.9618,
3.3042

■ 99.2023, 104.5141,
83.5105

■ 3.2541, 3.4382,
1.2520

■ 126.7051,
133.4753, 109.3968

■ 1.2895, 1.3646,
0.0220

158.8723,
167.3460, 140.1458

■ 0.1753, 0.1904,
0.0000

196.0692,

■ 0.0000, 0.0000,

206.5106, 176.1760

0.0000

238.6612,
251.3535, 217.9061

■ 28.5275, 30.0761,
20.2213

■ 28.5275, 30.0761,
20.2213

■ 26.9602, 28.2887,
15.5455

■ 30.2899, 31.9921,
25.7687

■ 25.5768, 26.6216,
11.6938

■ 32.2535, 34.0364,
32.2279

■ 24.3682, 25.0717,
8.6172

■ 34.4269, 36.2141,
39.6390

■ 23.3236, 23.6340,
6.2606

■ 36.8173, 38.5287,
48.0390

■ 22.4309, 22.3032,
4.5616

■ 39.4318, 40.9835,
57.4630

■ 21.6758, 21.0728,
3.4472

■ 42.2771, 43.5817,
67.9445

■ 21.0272, 19.9299,
2.7559

■ 45.3594, 46.3264,
79.5152

■ 21.0040, 19.8886,
2.7319

■ 48.6848, 49.2204,
92.2057

■ 51.4764, 51.9535,
101.9227

Harmonies

Analogous

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



31.1549, 30.0761, 21.6075



28.5275, 30.0761, 20.2213



26.0670, 30.0761, 21.7357

Triad

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



28.5275, 30.0761, 20.2213



24.4257, 30.0761, 40.7636



33.2599, 30.0761, 40.4261

Complementary

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



28.5275, 30.0761, 20.2213



21.1801, 21.6239, 37.2401

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.



31.2632, 30.0761, 46.9642



28.5275, 30.0761, 20.2213



26.1632, 30.0761, 47.1793

Square

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



28.5275, 30.0761, 20.2213



23.7904, 30.0761, 32.9169



28.6454, 30.0761, 49.6044



33.9873, 30.0761, 32.5792

Rectangle

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



28.5275, 30.0761, 20.2213



24.8256, 30.0761, 24.3452



28.6454, 30.0761, 49.6044



32.7091, 30.0761, 42.8904

Sweetspot

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



28.5283, 30.0775, 20.2219



58.7261, 61.9662, 59.0848



24.8406, 21.2855, 23.3600



13.0722, 13.7973, 12.8768



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



28.5283, 30.0775, 20.2219



49.7466, 52.2886, 30.5611



28.9818, 33.7699, 20.9107



7.4742, 7.8867, 7.5084



16.5858, 15.7454, 2.1650



0.3861, 0.4060, 0.0580

Inverse Universe

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



21.1801, 21.6239, 37.2401



34.0761, 34.2672, 66.8744



20.7937, 18.8990, 36.7346



6.8609, 7.1809, 8.9275



5.9795, 3.7384, 27.3362



0.1645, 0.1562, 0.5873

Previews

White Background



This preview shows how the XYZ color 28.5275, 30.0761, 20.2213 looks on a white background.

Color Contrast Check

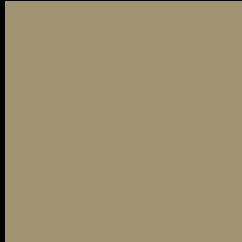
Large Text (above 18pt) WCAG AA × Fail

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 28.5275, 30.0761, 20.2213 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 28.5275, 30.0761, 20.2213

Background



This preview shows how black text looks on a background with the XYZ color 28.5275, 30.0761, 20.2213.



This preview shows how white text looks on a background with the XYZ color 28.5275, 30.0761,

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

28.5275, 30.0761, 20.2213

Protanopia

28.0828, 30.0807, 20.2456

Deuteranopia

30.5962, 29.9967, 20.3970



Tritanopia

31.5915, 30.1935, 34.7347

Trichromacy



Original Color

28.5275, 30.0761, 20.2213

Protanomaly

28.2819, 30.1834, 20.2549

Deuteranomaly

29.7975, 30.0347, 20.4464

Tritanomaly

30.3026, 30.1142, 28.6416

Monochromacy



Original Color

28.5275, 30.0761, 20.2213

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.1707, 29.7297, 27.5462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5275, 30.0761, 20.2213 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(162, 148, 114)` looks like.

```
.text, #text, p{  
    color:rgb(162, 148, 114)  
}
```

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(162, 148, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 148, 114) }
```

Border

The CSS property to change the border of an element to XYZ 28.5275, 30.0761, 20.2213 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(162, 148, 114) }
```


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

```
.border{ border-color:rgb(162, 148, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 148, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 148, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 148, 114);  
box-shadow:4px 4px 4px 4px rgb(162, 148,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5275, 30.0761, 20.2213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 148, 114) }
```

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

```
.background{ background-color: rgb(162,  
148, 114) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor