

Converting Colors

XYZ(20.3981, 29.7908, 14.6615)

Have a look what the booklet for
XYZ(20.3981, 29.7908, 14.6615)
contains.

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Color

**XYZ(20.3523, 29.7164,
14.5607)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | 65A35B |
| RGB | 101, 163, 91 |
| RGB Percent | 40%, 64%, 36% |
| CMY | 0.6039, 0.3608, 0.6431 |
| CMYK | 0.38, 0.00, 0.44, 0.36 |
| HSL | 112°, 28%, 50% |
| HSV | 112°, 44%, 64% |
| XYZ | 20.3523, 29.7164, 14.5607 |
| YIQ | 136.2540, -13.8400, -35.5360 |

Conversions

Conversions Part 2

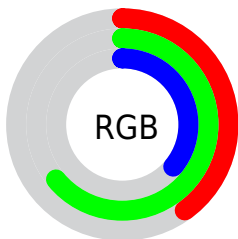
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 91, 163, 153 |
| Decimal | 6660955 |
| CIE _{Lab} | 61.41, -34.53, 31.19 |
| CIE _{LCh} | 61, 46.528, 137.909 |
| Yxy | 29.7164, 0.3149, 0.4598 |
| Android (android.graphics.Color) | 4284851035 (0xFF65A35B) |
| YUV | 136.2540, -22.3102, -30.9178 |
| Hunter-Lab | 54.5128, -28.7545, 22.3222 |

Details

The XYZ color **20.3523, 29.7164, 14.5607** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.4903, 16.8998, 36.6758**, and the grayscale version is **23.5824, 24.8105, 27.0186**.

A 20% lighter version of the original color is **43.4715, 59.0644, 34.7006**, and **7.3871, 12.1963, 4.2503** is the 20% darker color. If you saturate the color by 10%, you get **18.2846, 28.7240, 11.1838**, and if you desaturate by 10%, it is **22.8427, 30.9108, 18.7559**.

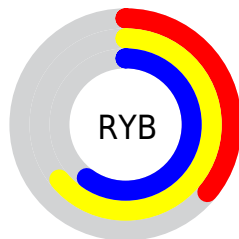
Distribution



Red (40%)

Green (64%)

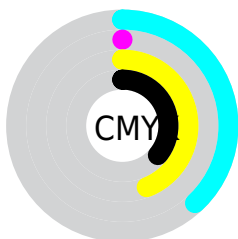
Blue (36%)



Red (36%)

Yellow (64%)

Blue (60%)

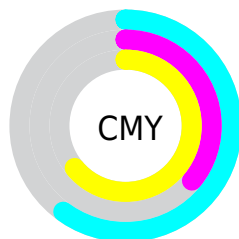


Cyan (38%)

Magenta (0%)

Yellow (44%)

Black (36%)



Cyan (60%)

Magenta (36%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3523, 29.7164, 14.5607 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 20.3523, 29.7164, 14.5607 by changing the saturation by 10% instead.

■ 20.3523, 29.7164,
14.5607

■ 20.3523, 29.7164,
14.5607

246.6134,
300.5803, 232.2401

■ 12.7611, 19.6234,
8.3685

■ 43.5065, 59.2134,
34.8120

■ 7.3401, 12.1216,
4.2405

■ 59.8003, 79.3862,
49.7081

■ 3.7239, 6.8266,
1.7582

■ 79.7256, 103.6877,
68.3427

■ 1.5472, 3.3539,
0.4002

■ 103.6479,
132.5024, 91.1341

■ 0.3576, 1.3191,
0.0000

131.9324,
166.2146, 118.5011

■ 0.0000, 0.1560,
0.0000

164.9446,

■ 0.0000, 0.0000,

205.2087, 150.8620

0.0000

203.0498,
249.8692, 188.6355

■ 20.3523, 29.7164,
14.5607

■ 20.3523, 29.7164,
14.5607

■ 18.2846, 28.7240,
11.1838

■ 22.8427, 30.9108,
18.7559

■ 16.6138, 27.9188,
8.5700

■ 25.7753, 32.3137,
23.8160

■ 15.3146, 27.2899,
6.6603


■ 29.1711, 33.9357,
29.7862


■ 14.3577, 26.8238,
5.3864


■ 33.0492, 35.7857,
36.7083


■ 13.7094, 26.5049,
4.6662


■ 37.4275, 37.8722,
44.6213

 13.4428, 26.3735,
4.3821

 42.3229, 40.2031,
53.5620

 47.7517, 42.7859,
63.5654

 53.7293, 45.6280,
74.6649

 60.2705, 48.7363,
86.8924

Harmonies

Analogous

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



24.7647, 29.7164, 9.6565



20.3523, 29.7164, 14.5607



18.1946, 29.7164, 25.7728

Triad

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



20.3523, 29.7164, 14.5607



25.8411, 29.7164, 78.0063



41.0458, 29.7164, 23.0259

Complementary

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



20.3523, 29.7164, 14.5607



23.4903, 16.8998, 36.6758

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.



41.4453, 29.7164, 39.9747



20.3523, 29.7164, 14.5607



32.0360, 29.7164, 76.4189

Square

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



20.3523, 29.7164, 14.5607



21.0415, 29.7164, 64.5245



37.9515, 29.7164, 60.7528



36.9283, 29.7164, 13.1806

Rectangle

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



20.3523, 29.7164, 14.5607



18.0831, 29.7164, 37.2393



37.9515, 29.7164, 60.7528



41.6389, 29.7164, 27.9196

Sweetspot

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



20.3530, 29.7177, 14.5614



52.8503, 61.0643, 54.4230



28.2546, 31.0647, 14.4049



11.5601, 13.5669, 11.6742



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.



20.3530, 29.7177, 14.5614



32.8081, 51.4705, 20.1296



20.5766, 29.6855, 21.2302



7.0728, 7.9400, 7.5399



10.4712, 20.5086, 3.4067



0.2449, 0.4438, 0.0727

Inverse Universe

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



23.4903, 16.8998, 36.6758



39.1307, 25.4955, 64.9148



23.4194, 17.0987, 26.0361



7.2672, 7.1521, 8.9005



13.6197, 6.4277, 27.4526



0.3111, 0.1479, 0.5780

Previews

White Background



This preview shows how the XYZ color 20.3523, 29.7164, 14.5607 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 20.3523, 29.7164, 14.5607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

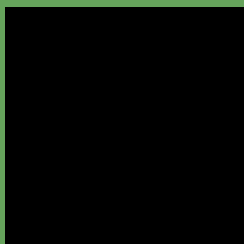
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3523, 29.7164, 14.5607

Background



This preview shows how black text looks on a background with the XYZ color 20.3523, 29.7164, 14.5607.



This preview shows how white text looks on a background with the XYZ color 20.3523, 29.7164,

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

20.3523, 29.7164, 14.5607

Protanopia

27.1299, 29.5171, 12.8618

Deuteranopia

29.7677, 29.2414, 15.1416



Tritanopia

25.6009, 29.5461, 40.9129

Trichromacy



Original Color

20.3523, 29.7164, 14.5607

Protanomaly

23.9267, 29.0460, 13.3622

Deuteranomaly

25.1623, 28.6926, 14.8017

Tritanomaly

23.1476, 29.2930, 28.8602

Monochromacy



Original Color

20.3523, 29.7164, 14.5607

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.8374, 26.1248, 21.6609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3523, 29.7164, 14.5607 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(101, 163, 91)` looks like.

```
.text, #text, p{  
    color:rgb(101, 163, 91)  
}
```

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(101, 163, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 163, 91) }
```

Border

The CSS property to change the border of an element to XYZ 20.3523, 29.7164, 14.5607 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(101, 163, 91) }
```


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

```
.border{ border-color:rgb(101, 163, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 163, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 163, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 163, 91);  
box-shadow:4px 4px 4px 4px rgb(101, 163,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3523, 29.7164, 14.5607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 163, 91) }
```

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

```
.background{ background-color: rgb(101,  
163, 91) }
```

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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