

Converting Colors

XYZ(10.6161, 20.5998, 4.5451)

Have a look what the booklet for
XYZ(10.6161, 20.5998, 4.5451)
contains.

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Color

**XYZ(10.6855, 20.7432,
4.5393)**

Conversions

Conversions Part 1

Format	Color
Hex	0F921C
RGB	15, 146, 28
RGB Percent	6%, 57%, 11%
CMY	0.9412, 0.4274, 0.8902
CMYK	0.90, 0.00, 0.81, 0.43
HSL	126°, 81%, 32%
HSV	126°, 90%, 57%
XYZ	10.6855, 20.7432, 4.5393
YIQ	93.3790, -40.1980, -64.4700

Conversions

Conversions Part 2

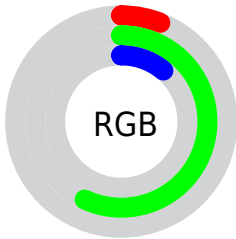
Format	Color
R_{YB}	15, 134, 146
Decimal	1020444
CIE _{Lab}	52.67, -54.66, 49.04
CIE _{LCh}	53, 73.438, 138.102
Y _{xy}	20.7432, 0.2971, 0.5767
Android (android.graphics.Color)	4279210524 (0xFF0F921C)
YUV	93.3790, -32.2318, -68.7384
Hunter-Lab	45.5447, -37.8243, 25.9720

Details

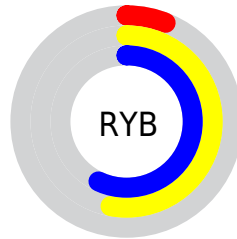
The XYZ color **10.6855, 20.7432, 4.5393** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **16.2588, 8.1463, 22.9046**, and the grayscale version is **10.5736, 11.1243, 12.1144**.

A 20% lighter version of the original color is **26.6261, 44.5561, 15.1795**, and **4.0027, 8.0054, 1.3342** is the 20% darker color. If you saturate the color by 10%, you get **10.3695, 20.5953, 3.8753**, and if you desaturate by 10%, it is **11.2061, 20.9899, 5.5730**.

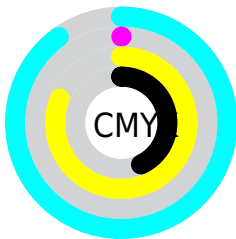
Distribution



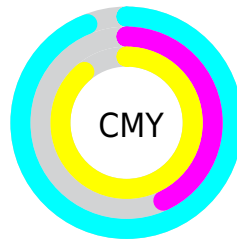
- Red (6%)
- Green (57%)
- Blue (11%)



- Red (6%)
- Yellow (53%)
- Blue (57%)



- Cyan (90%)
- Magenta (0%)
- Yellow (81%)
- Black (43%)



- Cyan (94%)
- Magenta (43%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6855, 20.7432, 4.5393 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 10.6855, 20.7432, 4.5393 by changing the saturation by 10% instead.

■ 10.6855, 20.7432,
4.5393

■ 10.6855, 20.7432,
4.5393

189.4502,
255.9106, 154.0433

■ 5.9215, 12.9364,
1.9256

■ 26.7153, 44.6598,
15.2356

■ 2.8376, 7.3848,
0.5090

■ 38.7117, 61.5383,
24.1553

■ 1.0685, 3.7039,
0.0000

■ 53.8497, 82.2096,
36.0141

■ 0.0000, 1.5093,
0.0000

■ 72.4946, 107.0580,
51.2305

■ 0.0000, 0.2953,
0.0000

■ 95.0118, 136.4679,
70.2231

■ 0.0000, 0.0000,
0.0000

■ 121.7665,

170.8237, 93.4104

153.1242,
210.5098, 121.2110

■ 10.6855, 20.7432,
4.5393

■ 10.6855, 20.7432,
4.5393

■ 10.3695, 20.5953,
3.8753

■ 11.2061, 20.9899,
5.5730

■ 10.3620, 20.5917,
3.8618

■ 11.9998, 21.3678,
7.0199

■ 13.0981, 21.8931,
8.9180

■ 14.5280, 22.5790,
11.3004

■ 16.3135, 23.4372,
14.1972

■ 18.4764, 24.4783,
17.6362

■ 21.0365, 25.7121,
21.6430

■ 24.0124, 27.1475,
26.2416

■ 27.4216, 28.7932,
31.4547

Harmonies

Analogous

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



15.4985, 20.7432, 1.5612



10.6855, 20.7432, 4.5393



8.5599, 20.7432, 14.9812

Triad

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



10.6855, 20.7432, 4.5393



16.8422, 20.7432, 93.7258



37.2134, 20.7432, 11.8822

Complementary

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



10.6855, 20.7432, 4.5393



16.2588, 8.1463, 22.9046

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.



37.8447, 20.7432, 32.4070



10.6855, 20.7432, 4.5393



24.6361, 20.7432, 90.7188

Square

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



10.6855, 20.7432, 4.5393



11.4495, 20.7432, 70.5368



32.7808, 20.7432, 63.8863



31.2300, 20.7432, 3.5229

Rectangle

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



10.6855, 20.7432, 4.5393



8.4634, 20.7432, 29.0418



32.7808, 20.7432, 63.8863



38.1061, 20.7432, 17.1654

Sweetspot

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



10.6860, 20.7441, 4.5398



33.5167, 43.6257, 32.5650



20.3710, 25.7511, 4.3487



7.1763, 9.5702, 6.8037



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



10.6860, 20.7441, 4.5398



18.2484, 36.3124, 6.6515



12.3827, 21.4228, 13.4748



5.7516, 6.4772, 6.3029



9.1225, 18.1218, 3.4209



0.1163, 0.2236, 0.0661

Inverse Universe

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



16.2588, 8.1463, 22.9046



28.1644, 13.6815, 39.1697



13.1178, 6.8899, 6.3643



6.0108, 5.8994, 7.1628



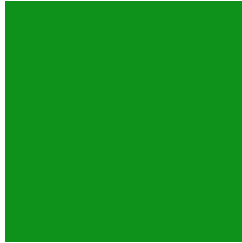
14.0716, 6.8337, 19.6558



0.1780, 0.0860, 0.2710

Previews

White Background



This preview shows how the XYZ color 10.6855, 20.7432, 4.5393 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 10.6855, 20.7432, 4.5393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

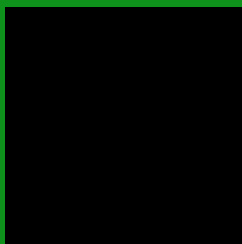
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 10.6855, 20.7432, 4.5393

Background



This preview shows how black text looks on a background with the XYZ color 10.6855, 20.7432, 4.5393.



This preview shows how white text looks on a background with the XYZ color 10.6855, 20.7432,

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

10.6855, 20.7432, 4.5393

Protanopia

18.4728, 20.3918, 3.7730

Deuteranopia

20.7074, 20.4217, 4.9482



Tritanopia

16.0572, 20.7390, 30.7605

Trichromacy



Original Color

10.6855, 20.7432, 4.5393

Protanomaly

13.2823, 19.2781, 3.9407

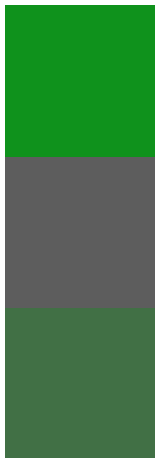
Deuteranomaly

13.9944, 18.8311, 4.5663

Tritanomaly

12.9590, 20.3135, 16.3346

Monochromacy



Original Color

10.6855, 20.7432, 4.5393

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.0483, 13.1418, 7.6900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6855, 20.7432, 4.5393 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(15, 146, 28)` looks like.

```
.text, #text, p{  
    color:rgb(15, 146, 28)  
}
```

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(15, 146, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 146, 28) }
```

Border

The CSS property to change the border of an element to XYZ 10.6855, 20.7432, 4.5393 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(15, 146, 28) }
```


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

```
.border{ border-color:rgb(15, 146, 28) }
```

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

Here you see how a box with a 4 pixel rgb(15, 146, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 146, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 146, 28);  
box-shadow:4px 4px 4px 4px rgb(15, 146,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6855, 20.7432, 4.5393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 146, 28) }
```

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

```
.background{ background-color: rgb(15, 146,  
28) }
```

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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